



Connecting Europe Facility 2014-2020

TELECOM CALLS FOR PROPOSALS 2018

APPLICATION FORM

PART A

General information

Title of the proposed action PHIDIAS - Prototype of HPC/Data Infrastructure for On-demand Services

TENtec number 2018-EU-IA-0089

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A1

TENtec proposal number	2018-EU-IA-0089 (28219827)
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General information on the proposal

Call for proposals	CEF-TC-2018-5 - Public Open Data		
Call priority	Not applicable		
Call sub-priority	Not applicable		
Objectives	• Objective 3: Creation of generic access services to increase the HPC and data capacities of the European Data Infrastructure		
Title of the proposed Action	PHIDIAS - Prototype of HPC/Data Infrastructure for On-demand Services		
Proposal type	Not applicable		
Start date of the proposed Action	01/09/2019	End date of the proposed Action	01/09/2022

Scope and objectives of the proposed Action

The project will build a prototype for Data/HPC services based on Earth sciences cases. The consortium will develop and provide new services to discover, manage and process spatial and environmental data (in particular from earth surface, atmosphere, ocean...).

The project will develop the datasets adding into the EOSC catalogues. It will optimize and industrialize treatments workflows (to allow a largest reusability); provide an open access to standardized HPC services. The consortium will improve the FAIRization processes and the open access to the environmental initial and the processed datasets. The project will also progress on sustainability and evolution of services from an experimental and restricted usage to a large and standardized (in a production phase).

It will explore a distributed model for data transfer and resource allocation between two European computing centers (CINES in France and CSC in Finland). On the use cases, the project will develop data post-processing methods coupled with HPC capabilities, which will be deployed as a service for several end-users (scientific communities/public authorities/private players/citizen scientists).

The data generated and services created will be available on the relevant EU portals (EU Open Data Portal/EUDAT/EOSC) and will be preserved using the long-term preservation services of the EOSC. This PHIDIAS project will then propose a generic workflow for massive scientific data by combining computing, dissemination and archiving resources in a single framework.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2

TENtec proposal number 2018-EU-IA-0089 (28219827)

List of applicants

Applicant no.	Applicant legal name	Legal status	Country
1	CINES	Public sector undertaking or body established in the EU/EEA	France
2	CERFACS	Private sector undertaking or body established in the EU/EEA	France
3	CNRS	Public sector undertaking or body established in the EU/EEA	France
4	CSC	Private sector undertaking or body established in the EU/EEA	Finland
5	Geomatys	Private sector undertaking or body established in the EU/EEA	France
6	IRD	Public sector undertaking or body established in the EU/EEA	France
7	Ifremer	Public sector undertaking or body established in the EU/EEA	France
8	Maris	Private sector undertaking or body established in the EU/EEA	Netherlands
9	Néovia Innovation	Private sector undertaking or body established in the EU/EEA	France
10	Spascia	Private sector undertaking or body established in the EU/EEA	France
11	Finnish Environment Institute	Public sector undertaking or body established in the EU/EEA	Finland
12	Trust-IT	Private sector undertaking or body established in the EU/EEA	Italy
13	Université de Liège	Public sector undertaking or body established in the EU/EEA	Belgium

Coordinating applicant

CINES

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	1
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Applicant

Applicant's legal name	CINES
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Legal address	
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Street name	Rue Saint Priest	Number	950
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City	MONTPELLIER
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Postal code	34097
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Country	France
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VAT Number	FR40193415940
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Legal status of the applicant

Applicant legal status	Public sector undertaking or body established in the EU/EEA
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Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	1
Applicant's legal name	CINES		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Female	Title	Ms
Last name	MASSOL	First name(s)	Marion
Function	Head of the European projects unit		
Is the address different from the legal address?			NO
Street name	Rue Saint Priest	Number	950
City	MONTPELLIER		
Postal code	34097		
Country	France		
Phone	+33467141486		
Email	masso@cines.fr		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	DINTRANS	First name(s)	Boris
Function	Director		
Is the address different from the legal address?			NO
Street name	Rue Saint Priest	Number	950
City	MONTPELLIER		
Postal code	34097		
Country	France		
Phone	+33467141400		
Email	dintrans@cines.fr		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	1
Applicant's legal name	CINES		

EU Member State Approval

Ministry's legal name	Direction interministérielle du numérique et du système d'information		
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Legal address			
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	LEANDRI	First name(s)	Jean-Jacques
Function	Conseiller Digital Government		
Is the address different from the legal address?		YES/NO	NO
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		
Phone	+33787817062		
Email	jean-jacques.leandri@modernisation.gouv.fr		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	1
Applicant's legal name	CINES		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	2
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Applicant

Applicant's legal name	CERFACS
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Legal address			
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Street name	Avenue Gaspard Coriolos	Number	42
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City	Toulouse
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Postal code	31057
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Country	France
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VAT Number	FR26407875434
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Legal status of the applicant

Applicant legal status	Private sector undertaking or body established in the EU/EEA
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Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	2
Applicant's legal name	CERFACS		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	PAGE	First name(s)	Christian
Function	Research Engineer		
Is the address different from the legal address?			NO
Street name	Avenue Gaspard Coriolos	Number	42
City	Toulouse		
Postal code	31057		
Country	France		
Phone	+33561193011		
Email	christian.page@cerfacs.fr		

Representative authorised to sign this application			
Gender	Female	Title	Ms
Last name	LAMBERT	First name(s)	Catherine
Function	Director		
Is the address different from the legal address?			NO
Street name	Avenue Gaspard Coriolos	Number	42
City	Toulouse		
Postal code	31057		
Country	France		
Phone	+33561193131		
Email	catherine.lambert@cerfacs.fr		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	2
Applicant's legal name	CERFACS		

EU Member State Approval

Ministry's legal name	Direction interministérielle du numérique et du système d'information		
-----------------------	---	--	--

Legal address			
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	LEANDRI	First name(s)	Jean-Jacques
Function	Conseiller Digital Government		
Is the address different from the legal address?		YES/NO	NO
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		
Phone	+33787817062		
Email	jean-jacques.leandri@modernisation.gouv.fr		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	2
Applicant's legal name	CERFACS		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	3
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Applicant

Applicant's legal name	CNRS
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Legal address	
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Street name	Rue Michel-Ange	Number	3
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City	Paris Cedex 16
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Postal code	75794
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Country	France
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VAT Number	Not Applicable
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Legal status of the applicant

Applicant legal status	Public sector undertaking or body established in the EU/EEA
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Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	3
Applicant's legal name	CNRS		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Female	Title	Ms
Last name	VATONNE	First name(s)	Elodie
Function	Project Manager		
Is the address different from the legal address?			NO
Street name	Rue Michel-Ange	Number	3
City	Paris Cedex 16		
Postal code	75794		
Country	France		
Phone	+33467613502		
Email	elodie.vatonne@dr13.cnrs.fr		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	VITRE	First name(s)	Jérôme
Function	Regional Director		
Is the address different from the legal address?			YES
Street name	Route de Mende	Number	1919
City	Montpellier		
Postal code	34293		
Country	France		
Phone	+334673442		
Email	jerome.vitre@cnrs.fr		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	3
Applicant's legal name	CNRS		

EU Member State Approval

Ministry's legal name	Direction interministérielle du numérique et du système d'information		
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Legal address			
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	LEANDRI	First name(s)	Jean-Jacques
Function	Conseiller Digital Government		
Is the address different from the legal address?		YES/NO	NO
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		
Phone	+33787817062		
Email	jean-jacques.leandri@modernisation.gouv.fr		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	3
Applicant's legal name	CNRS		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	4
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Applicant

Applicant's legal name	CSC
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Legal address			
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Street name	Kellaranta - P.O Box 405	Number	14
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City	Espoo
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Postal code	FI-02101
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Country	Finland
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VAT Number	FI09206320
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Legal status of the applicant

Applicant legal status	Private sector undertaking or body established in the EU/EEA
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Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	4
Applicant's legal name	CSC		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	KALLIO	First name(s)	Aleksi
Function	Development Manager, Data Analytics		
Is the address different from the legal address?			NO
Street name	Kellaranta - P.O Box 405	Number	14
City	Espoo		
Postal code	FI-02101		
Country	Finland		
Phone	+358503845158		
Email	aleksi.kiallo@csc.fi		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	KOSKI	First name(s)	Kimmo
Function	Managing Director		
Is the address different from the legal address?			NO
Street name	Kellaranta - P.O Box 405	Number	14
City	Espoo		
Postal code	FI-02101		
Country	Finland		
Phone	+35894572001		
Email	kimmo.koski@csc.fi		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	4
Applicant's legal name	CSC		

EU Member State Approval

Ministry's legal name	The Ministry of Finance
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Legal address			
Street name	PO Box	Number	28
City	Helsinki		
Postal code	FI-00023-Government		
Country	Finland		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	KORHONEN	First name(s)	Jukka
Function	Ministerial Adviser		
Is the address different from the legal address?		YES/NO	NO
Street name	PO Box	Number	28
City	Helsinki		
Postal code	FI-00023-Government		
Country	Finland		
Phone	+358295530234		
Email	juhani.korhonen@vm.fi		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	4
Applicant's legal name	CSC		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	5
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Applicant

Applicant's legal name	Geomatys
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Legal address			
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Street name	Rue Pierre Renaudel	Number	24
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City	Arles
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Postal code	30260
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Country	France
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VAT Number	FR52484766308
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Legal status of the applicant

Applicant legal status	Private sector undertaking or body established in the EU/EEA
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Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	5
Applicant's legal name	Geomatys		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	HEURTEAUX	First name(s)	Vincent
Function	CEO		
Is the address different from the legal address?			NO
Street name	Rue Pierre Renaudel	Number	24
City	Arles		
Postal code	30260		
Country	France		
Phone	+33484490226		
Email	contact@geomatys.com		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	HEURTEAUX	First name(s)	Vincent
Function	CEO		
Is the address different from the legal address?			NO
Street name	Rue Pierre Renaudel	Number	24
City	Arles		
Postal code	30260		
Country	France		
Phone	+33484490226		
Email	contact@geomatys.com		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	5
Applicant's legal name	Geomatys		

EU Member State Approval

Ministry's legal name	Direction interministérielle du numérique et du système d'information		
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Legal address			
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	LEANDRI	First name(s)	Jean-Jacques
Function	Conseiller Digital Government		
Is the address different from the legal address?		YES/NO	NO
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		
Phone	+33787817062		
Email	jean-jacques.leandri@modernisation.gouv.fr		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	5
Applicant's legal name	Geomatys		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	6
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Applicant

Applicant's legal name	IRD
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Legal address			
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Street name	Boulevard de Dunkerque	Number	44
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City	Marseille Cedex 02
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Postal code	13572
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Country	France
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VAT Number	FR75180006025
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Legal status of the applicant

Applicant legal status	Public sector undertaking or body established in the EU/EEA
------------------------	---

Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	6
Applicant's legal name	IRD		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	DESCONNETS	First name(s)	Jean-Christophe
Function	Senior Research Engineer		
Is the address different from the legal address?			NO
Street name	Boulevard de Dunkerque	Number	44
City	Marseille Cedex 02		
Postal code	13572		
Country	France		
Phone	+33467558633		
Email	jean-christophe.desconnets@ird.fr		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	MOATTI	First name(s)	Jean-Paul
Function	Chairman of IRD		
Is the address different from the legal address?			NO
Street name	Boulevard de Dunkerque	Number	44
City	Marseille Cedex 02		
Postal code	13572		
Country	France		
Phone	+33491999200		
Email	president-directeurgeneral@ird.fr		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	6
Applicant's legal name	IRD		

EU Member State Approval

Ministry's legal name	Direction interministérielle du numérique et du système d'information		
-----------------------	---	--	--

Legal address			
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	LEANDRI	First name(s)	Jean-Jacques
Function	Conseiller Digital Government		
Is the address different from the legal address?		YES/NO	NO
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		
Phone	+33787817062		
Email	jean-jacques.leandri@modernisation.gouv.fr		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	6
Applicant's legal name	IRD		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	7
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Applicant

Applicant's legal name	lfremer
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Legal address			
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Street name	Rue Jean-Jacques Rousseau	Number	155
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City	Issy-les-Moulineaux
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Postal code	92138
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Country	France
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VAT Number	FR46330715368
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Legal status of the applicant

Applicant legal status	Public sector undertaking or body established in the EU/EEA
------------------------	---

Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	7
Applicant's legal name	Ifremer		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	MAUDIRE	First name(s)	Gilbert
Function	Engineer		
Is the address different from the legal address?			NO
Street name	Rue Jean-Jacques Rousseau	Number	155
City	Issy-les-Moulineaux		
Postal code	92138		
Country	France		
Phone	+33298224216		
Email	gilbert.maudire@ifremer.fr		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	VINCENT	First name(s)	Patrick
Function	Managing Director		
Is the address different from the legal address?			NO
Street name	Rue Jean-Jacques Rousseau	Number	155
City	Issy-les-Moulineaux		
Postal code	92138		
Country	France		
Phone	+33146482216		
Email	patrick.vincent@ifremer.fr		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	7
Applicant's legal name	Ifremer		

EU Member State Approval

Ministry's legal name	Direction interministérielle du numérique et du système d'information		
-----------------------	---	--	--

Legal address			
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	LEANDRI	First name(s)	Jean-Jacques
Function	Conseiller Digital Government		
Is the address different from the legal address?		YES/NO	NO
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		
Phone	+33787817062		
Email	jean-jacques.leandri@modernisation.gouv.fr		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	7
Applicant's legal name	Ifremer		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	8
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Applicant

Applicant's legal name	Maris
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Legal address			
---------------	--	--	--

Street name	Koningin Julianalaan	Number	345A
-------------	----------------------	--------	------

City	Voorburg
------	----------

Postal code	2273JJ
-------------	--------

Country	Netherlands
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VAT Number	NL804595859B01
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Legal status of the applicant

Applicant legal status	Private sector undertaking or body established in the EU/EEA
------------------------	--

Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	8
Applicant's legal name	Maris		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	SCHAAP	First name(s)	Dick
Function	Managing Director		
Is the address different from the legal address?			NO
Street name	Koningin Julianalaan	Number	345A
City	Voorburg		
Postal code	2273JJ		
Country	Netherlands		
Phone	+31703004710		
Email	dick@maris.nl		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	SCHAAP	First name(s)	Dick
Function	Managing Director		
Is the address different from the legal address?			NO
Street name	Koningin Julianalaan	Number	345A
City	Voorburg		
Postal code	2273JJ		
Country	Netherlands		
Phone	+31703004710		
Email	dick@maris.nl		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	8
Applicant's legal name	Maris		

EU Member State Approval

Ministry's legal name	Ministerie van Binnenlandse Zaken en Koninkrijksrelaties		
-----------------------	--	--	--

Legal address			
Street name	PO Box	Number	20011
City	Den Haag		
Postal code	NL-2500 EA		
Country	Netherlands		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	BAKKERS	First name(s)	Jean-Paul
Function	CEF Delegate		
Is the address different from the legal address?			YES/NO NO
Street name	PO Box	Number	20011
City	Den Haag		
Postal code	NL-2500 EA		
Country	Netherlands		
Phone	+31638825802		
Email	jean-paul.bakkers@minbzk.nl		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	8
Applicant's legal name	Maris		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	9
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Applicant

Applicant's legal name	Néovia Innovation
------------------------	-------------------

Legal address			
---------------	--	--	--

Street name	Rue du Colisée	Number	10
-------------	----------------	--------	----

City	Paris
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Postal code	75008
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Country	France
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VAT Number	FR19754058667
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Legal status of the applicant

Applicant legal status	Private sector undertaking or body established in the EU/EEA
------------------------	--

Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	9
Applicant's legal name	Néovia Innovation		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	BIDOT	First name(s)	Thierry
Function	Senior Consultant		
Is the address different from the legal address?			NO
Street name	Rue du Colisée	Number	10
City	Paris		
Postal code	75008		
Country	France		
Phone	+336850500793		
Email	thierry.bidot@neovia-innovation.eu		

Representative authorised to sign this application			
Gender	Female	Title	Ms
Last name	BERNAUD	First name(s)	Béatrice
Function	President		
Is the address different from the legal address?			NO
Street name	Rue du Colisée	Number	10
City	Paris		
Postal code	75008		
Country	France		
Phone	+33620961509		
Email	beatrice.bernaudpau@gmail.com		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	9
Applicant's legal name	Néovia Innovation		

EU Member State Approval

Ministry's legal name	Direction interministérielle du numérique et du système d'information		
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Legal address			
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	LEANDRI	First name(s)	Jean-Jacques
Function	Conseiller Digital Government		
Is the address different from the legal address?		YES/NO	NO
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		
Phone	+33787817062		
Email	jean-jacques.leandri@modernisation.gouv.fr		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	9
Applicant's legal name	Néovia Innovation		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	10
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Applicant

Applicant's legal name	Spacia
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Legal address			
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Street name	Avenue de l'Europe	Number	10
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City	Ramonville Saint-Agne
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Postal code	31520
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Country	France
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VAT Number	FR819328378
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Legal status of the applicant

Applicant legal status	Private sector undertaking or body established in the EU/EEA
------------------------	--

Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	10
Applicant's legal name	Spascia		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	PRUNET	First name(s)	Pascal
Function	CEO		
Is the address different from the legal address?			NO
Street name	Avenue de l'Europe	Number	10
City	Ramonville Saint-Agne		
Postal code	31520		
Country	France		
Phone	+33675551001		
Email	pascal.prUNET@spascia.fr		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	PRUNET	First name(s)	Pascal
Function	CEO		
Is the address different from the legal address?			NO
Street name	Avenue de l'Europe	Number	10
City	Ramonville Saint-Agne		
Postal code	31520		
Country	France		
Phone	+33675551001		
Email	pascal.prUNET@spascia.fr		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	10
Applicant's legal name	Spacia		

EU Member State Approval

Ministry's legal name	Direction interministérielle du numérique et du système d'information		
-----------------------	---	--	--

Legal address			
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	LEANDRI	First name(s)	Jean-Jacques
Function	Conseiller Digital Government		
Is the address different from the legal address?		YES/NO	NO
Street name	Avenue de Ségur	Number	20
City	Paris Cedex 07		
Postal code	75334		
Country	France		
Phone	+33787817062		
Email	jean-jacques.leandri@modernisation.gouv.fr		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	10
Applicant's legal name	Spacia		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	11
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Applicant

Applicant's legal name	Finnish Environment Institute
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Legal address	
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Street name	Mechelininkatu	Number	34a
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City	Helsinki
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Postal code	00251
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Country	Finland
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VAT Number	FI09961895
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Legal status of the applicant

Applicant legal status	Public sector undertaking or body established in the EU/EEA
------------------------	---

Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	11
Applicant's legal name	Finnish Environment Institute		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	KAITALA	First name(s)	Seppo
Function	Leading Research Scientist		
Is the address different from the legal address?			NO
Street name	Mechelininkatu	Number	34a
City	Helsinki		
Postal code	00251		
Country	Finland		
Phone	+358295251250		
Email	seppo.kaitala@ymparisto.fi		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	LAIHONEN	First name(s)	Pasi
Function	Deputy of the Director at Marine Research Centre, Finnish Environment Institute		
Is the address different from the legal address?			NO
Street name	Mechelininkatu	Number	34a
City	Helsinki		
Postal code	00251		
Country	Finland		
Phone	+358295251000		
Email	kirjaamo.syke@ymparisto.fi		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	11
Applicant's legal name	Finnish Environment Institute		

EU Member State Approval

Ministry's legal name	The Ministry of Finance
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Legal address			
Street name	P.O Box	Number	28
City	Helsinki		
Postal code	FI-00023-Government		
Country	Finland		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	KORHONEN	First name(s)	Jukka
Function	Ministerial Adviser		
Is the address different from the legal address?		YES/NO	NO
Street name	P.O Box	Number	28
City	Helsinki		
Postal code	FI-00023-Government		
Country	Finland		
Phone	+358295530234		
Email	juhani.korhonen@vm.fi		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	11
Applicant's legal name	Finnish Environment Institute		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	12
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Applicant

Applicant's legal name	Trust-IT
------------------------	----------

Legal address			
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Street name	Via Nino Bixio	Number	25
-------------	----------------	--------	----

City	Pisa
------	------

Postal code	56125
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Country	Italy
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VAT Number	01870130505
------------	-------------

Legal status of the applicant

Applicant legal status	Private sector undertaking or body established in the EU/EEA
------------------------	--

Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	12
Applicant's legal name	Trust-IT		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	SACCHI	First name(s)	Simone
Function	E-infrastructure senior strategist		
Is the address different from the legal address?			NO
Street name	Via Nino Bixio	Number	25
City	Pisa		
Postal code	56125		
Country	Italy		
Phone	+3905028359		
Email	s.sacchi@trust-itservices.com		

Representative authorised to sign this application			
Gender	Female	Title	Ms
Last name	MUSCELLA	First name(s)	Silvana
Function	CEO		
Is the address different from the legal address?			NO
Street name	Via Nino Bixio	Number	25
City	Pisa		
Postal code	56125		
Country	Italy		
Phone	+3905028359		
Email	s.muscella@trust-itservices.com		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	12
Applicant's legal name	Trust-IT		

EU Member State Approval

Ministry's legal name	Permanent Representation of Italy to the EU - Telecommunications and Information Society, Audiovisual, Postal Services
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Legal address			
Street name	Rue du Marteau	Number	9
City	Bruxelles		
Postal code	1000		
Country	Belgium		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	GENTILI	First name(s)	Fabrizio
Function	Counsellor		
Is the address different from the legal address?		YES/NO	NO
Street name	Rue du Marteau	Number	9
City	Bruxelles		
Postal code	1000		
Country	Belgium		
Phone	+3222200574		
Email	fabrizio.gentili@mise.gov.it		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	12
Applicant's legal name	Trust-IT		

Affiliated Entities

Affiliated entity's legal name	COMMPLA SRL		
Legal status	Private sector undertaking or body established in the EU/EEA		
Street name	Via Nino Bixio		
Number	25	City	Pisa
Postal code	56125	Country	Italy

Affiliated entity's legal name	Trust-IT Services Ltd		
Legal status	Private sector undertaking or body established in the EU/EEA		
Street name	Chase Green House		
Number	42 Chase Side	City	Enfield
Postal code	EN26NF	Country	United Kingdom

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	13
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Applicant

Applicant's legal name	Université de Liège
------------------------	---------------------

Legal address	
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Street name	Place du 20 Août	Number	7
-------------	------------------	--------	---

City	Liège
------	-------

Postal code	4000
-------------	------

Country	Belgium
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VAT Number	BE325777171
------------	-------------

Legal status of the applicant

Applicant legal status	Public sector undertaking or body established in the EU/EEA
------------------------	---


Does the applicant have the legal personality in accordance with the applicable national legislation?

YES

NO

If NO, then applicants must upload the statutes of the applicant (or the relevant abstract) as a supporting document to the application form to demonstrate that the representative of the applicant has the capacity to undertake legal obligations on its behalf.

Application Form Part A

	EUROPEAN COMMISSION	CONNECTING EUROPE FACILITY: TELECOM	A2.2
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TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	13
Applicant's legal name	Université de Liège		

Contact points

Person in charge (first point of contact for the EU, if necessary)			
Gender	Male	Title	Mr
Last name	BARTH	First name(s)	Alexander
Function	Researcher		
Is the address different from the legal address?			NO
Street name	Place du 20 Août	Number	7
City	Liège		
Postal code	4000		
Country	Belgium		
Phone	+3243663664		
Email	a.barth@uliege.be		

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name	WOLPER	First name(s)	Pierre
Function	Rector		
Is the address different from the legal address?			NO
Street name	Place du 20 Août	Number	7
City	Liège		
Postal code	4000		
Country	Belgium		
Phone	+3243665428		
Email	recherche@uliege.be		

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	13
Applicant's legal name	Université de Liège		

EU Member State Approval

Ministry's legal name	FPS Economy, SMEs, Self-employed and Energy		
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Legal address			
Street name	Rue du Progrès	Number	50
City	Brussels		
Postal code	1210		
Country	Belgium		

Representative authorised to sign this proposal			
Gender	Female	Title	Ms
Last name	WATERBLEY	First name(s)	Séverine
Function	Director-General of the Directorate-General for Economic Regulation		
Is the address different from the legal address?		YES/NO	NO
Street name	Rue du Progrès	Number	50
City	Brussels		
Postal code	1210		
Country	Belgium		
Phone	+3222779349		
Email	severine.waterbley@economie.fgov.be		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2018-EU-IA-0089 (28219827)	Applicant no.	13
Applicant's legal name	Université de Liège		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A3.1

TENtec proposal number 2018-EU-IA-0089 (28219827)

Activities of the Action

Activity number	1
Activity name	Activity 1 - Management & Technical Coordination
Implementing applicant(s)	Néovia Innovation, IRD, CINES

Activity description	<p>Work package leader: CINES</p> <p>WP1 has two main objectives. First objective is to set-up an effective management framework for the PHIDIAS consortium to ensure progress of the project towards its planned objectives and respect of contractual commitments. The organizational structure, decision-making and detailed project management activities are described in part D2.2 "Management structure". Second objective is to set-up and maintain a technical coordination to ensure that the services created by the project are consistently implemented. This objective is attained through an internal coordination task and the set-up of a Scientific Committee.</p> <p>This activity is composed of the following tasks:</p> <p>T.1.1: Project contractual management (M1-M36) (CINES: Boris DINTRANS)</p> <ul style="list-style-type: none"> -Maintain the interface with the Project Officer appointed by the EC (INEA) -Maintain regular contacts with the partner organizations -Chair the Management and Technical board meetings -Ensure global coordination with the aim to meet the project schedule and objectives -Select subcontractors and manage the contractual and financial aspects -Check quality of deliverables and send them to EC -Coordinate internal and contractual periodic reportings and send them to EC -Coordinate EC reviews -Maintain contractual documents (Grant and Consortium Agreement) -Monitor project costs, compile periodic costs -Handle and distribute EU funds -Define impact analysis and analyze them continuously during project <p>Task 1.2: Project operational day to day management (M1-M36) (CINES: Boris DINTRANS, Néovia Innovation)</p> <ul style="list-style-type: none"> -Ensure a permanent contact point to external and internal contacts and participants -Provide support to the day-to-day requests from the consortium and in particular to WP and tasks leaders -Organize project launch: establish procedures, templates, project management methods and tools; prepare and organize project kick-off meeting -Organize and manage the project's security committee -Organize two project technical meetings at M9 and M18 -Implement private collaborative web space -Monitor the project implementation carried out by the WP leaders -Update web space and project management tools as needed -Organize project Management and Technical Boards meetings for project progress review, decision making and conflict resolution, write minutes -Organize specific management meetings, write minutes -Coordinate timely production of deliverables -Monitor impact metrics through constant data gathering during all project <p>Task 1.3: Technical coordination (M1 – M36) - (Leader: IR ST). The task includes the technical coordination of work packages 3, 4, 5 and 6. The objective is to check that the work done in these WP is compatible with the global Earth System (i.e. Common System composed of the Common Metadata Repository and the End-Users Common Interactive Processing service). A Common Interface document (D1.6) applicable to these WP will be created for a smooth integration in the Common System. This task will also prepare the Data Management Plan for the PHIDIAS project.</p> <p>Task 1.4: Scientific and users Committee (M1-M36) – (Leader: Néovia) This task aims to support and structure the work of the two project's committee: the Scientific and Users Committee, and the Security Committee by:</p> <ul style="list-style-type: none"> -Prepare and organize committees' meetings -Ensure a proper dissemination of committees' minutes to the consortium -Monitor SC activities and prepare adequate reporting <p>The roles of the project's committees are detailed in Part D. "Management Structure" of the proposal.</p>
Indicative start date	01/09/2019
Indicative end date	01/09/2022
Verifying milestone(s)	Project progress in period 1, Project progress in period 2
Activity number	2
Activity name	Activity 2 - Compute and storage workflow management
Implementing applicant(s)	CNRS, CSC, CINES

Activity description	<p>Work package leader: CINES</p> <p>The objective of this WP is to create a sustainable HPC data-powered services by:</p> <ul style="list-style-type: none"> -the use of existing IT services (high-performance computing, efficient storage and archiving facilities); -the definition and implementation of added HPC, HPDA, storage and network components according to the needs of each the scientific use cases defined in WP4, WP5 and WP6; -the creation of a federation of “infrastructure to infrastructure” and “user to infrastructure” services, including authentication, access to resources (pre and post processing, management and preservation of large volumes of digital information over time); -the definition and implementation of a FAIR portal data with scientific community and data providers. <p>Task 2.1: HPC, HPDA and storage services (M1-M36) - (Leader : CINES-36 PM)</p> <p>This task will provide the HPC (high-performance computing) and HPDA (high-performance data analytics) services based on the CINES supercomputing resources:</p> <ul style="list-style-type: none"> -the supercomputer OCCIGEN, enabling a wide variety of computational traffic, ranging from HTC to high end HPC scaling, relying on high speed interconnection network; -HPDA environment, and its additional means according to PHIDIAS needs (depending on D2.3); -dedicated storage fast technology and to achieve FAIR data objectives; <p>A dedicated support for the scientific use cases described in WP4-5-6 will be available, with the recruitment of an additional person for the entire PHIDIAS duration project (D2.1).</p> <p>Task 2.2: Storage backend and archiving services (M1-M36) - (Leader CINES-18 PM)</p> <p>The objective of this task is to provide access to the archiving CINES platform PAC and its support team (D2.2):</p> <ul style="list-style-type: none"> -comply with the good practices, standards and legal aspects of the use case domains; -implement, test and validate the quality assurance workflow (upload, file format validation, persistent identifier generation, metadata indexing, etc.) during the ingest phase; -guarantee the findability, accessibility, interoperability, reusability of the archived datasets over time through public APIs, an opendata web portal, catalog and search engine. <p>The Common Information Model deliverable (D3.2.1) shaped as part of WP3 in M12 will be used as an input for the action items listed above.</p> <p>The main output of the task will be to have the data safely stored on PAC at the end of the project.</p> <p>Task 2.3: On-the-fly computing (M1-M36) - (Leader CINES-18 PM and CSC-12 PM, SPASCIA in WP4)</p> <p>This task will address the challenging problem of efficient filtering and on-the-fly first diagnostics on incoming in-situ data. Instead of directly processing large volumes of input data, the idea is to first reduce the problem size by applying smart filters (such as the rough recognition of patterns from AI algorithms) on which heavier analyses will then be performed.</p> <p>CSC has recognized expertise on AI and cloud computing and is a long-time partner of CINES in several European projects (e.g. HPCEuropa2, EUDAT, PRACE or ICEDIG). Using this expertise CSC will collaborate on the on-the-fly computing approach. The challenge in AI workflows is the unprecedented capacity of dedicated supercomputer environments and GPU units in data processing, requiring very efficient input data flow to keep the system fully utilised. To help in that, AI workflows will be examined and refactored so that pre-processing of data can be done on-the-fly to best data pre-conditioning for input.</p> <p>SPASCIA partner (head of WP4) has a WW expertise on smart filtering of spatial data and task 2.3 is strongly connected with WP4 (use case #1 on atmosphere).</p> <p>The output of this task is the building of a new and innovative on-the-fly computing service that will be located in front of the supercomputer to pre-process large volumes of data before HPC processing on Tier1 class machine (D2.3).</p>
Indicative start date	01/09/2019
Indicative end date	01/09/2022
Verifying milestone(s)	Initial Data Management Plan, Intermediate Data Management Plan, Final Data Management Plan
Activity number	3
Activity name	Activity 3 - Development of the Common System
Implementing applicant(s)	IRD, Maris, Ifremer, Geomatys, Néovia Innovation, CNRS, CERFACS

Activity description	<p>Work package leader: IRST</p> <p>The objective of this WP is to assure the technical coordination of WP4, WP5 and WP6. The goal is to build a system to remove existing data silos and to allow user to develop programs allowing to handle the full “Earth System” perimeter (e.g. programs in the field of Climate or Sustainable development).</p> <p>This activity is composed of the following tasks:</p> <p>Task 3.1: Technical coordination (M1-M36; IRST)</p> <p>It includes the technical coordination of work packages 4, 5 and 6. The objective is to check that the work done in these WP is compatible with the global Earth System (i.e. Common System composed of the Common Metadata Repository and the End-Users Common Interactive Processing service).</p> <p>Task 3.2: Common Metadata Repository (M1-M18; IRST, Geomatys, IRD, CERFACS)</p> <p>One way to remove existing data silos (e.g. between the different themes as Ocean, Atmosphere or Land Surface) is to put in place a Common Metadata Repository. This task is composed of the following subtasks:</p> <ul style="list-style-type: none"> -To choose the most appropriate tool to build this Common Metadata Repository. Several options exist, the most appropriate (to be validated during this task) is the CKAN extension currently developed in the NextGEOSS H2020 project. Another option is the NASA CMR which is also capable to handle Space and in-situ data; -To define the Common Information Model and the common vocabulary allowing to discover, access and process the data from WP4, WP5 and WP6; -To develop, install, and exploit this Common Metadata Model on the CINES infrastructure. <p>The output of this task is:</p> <ul style="list-style-type: none"> -Common Information Model D3.1.1; -Common Metadata Repository D3.1.2. <p>Task 3.3: End-users web Common interactive Processing Service (M18-M32; IRST, with implication of Geomatys, IRD, IFREMER, CERFACS)</p> <p>Based on the Common Interface Document ([D.3.1.1]) and existing open source frameworks (e.g. Pangeo or Open DataCube) allowing the creation of an interactive prototyping graphic environment (e.g. notebook), the current data and processing access portal will be enhanced to allow the discovery of raw data catalogues (from WP4, WP5 and WP6) and products derived from processing. A particular effort will be made to provide a web interface for on-demand execution of available processes and prototyping of new chains.</p> <p>The users will be able to interactively set-up processing chains in Python on the WWW interface.</p> <p>The output of this task is the End-users web Common Interactive Processing Service D3.2.1.</p> <p>Task 3.4: Common Portal for data discovery, access and processing (M18-M32; IRST, with implication of Geomatys, IRD, IFREMER, CERFACS)</p> <p>The objective of this task is to develop a WWW portal allowing to discover, access and process the data from WP4, WP5 and WP6.</p> <p>This will be built upon the Common Metadata Repository and the End-users web Common interactive Processing Service. Experiences from existing portals developed within current and past European projects and initiatives will be considered (EOSC, Copernicus, IS-ENES), as well as compliance with FAIR and INSPIRE principles. It will also ensure interoperability with other portals and generic services (EUDAT, EOSC, IS-ENES).</p> <p>The output of this task is a Common Portal for data discovery, access and processing D3.3.1.</p>
Indicative start date	01/09/2019
Indicative end date	01/07/2022
Verifying milestone(s)	Initial Data Management Plan, Intermediate Data Management Plan, Final Data Management Plan, Compliance with data and metadata quality assurance
Activity number	4
Activity name	Activity 4 - Use Case 1 - Intelligent screening of large amount of satellite data for detection and identification of anomalous atmospheric composition events
Implementing applicant(s)	CNRS, Spascia

Activity description	<p>The goal of this WP is to exploit HPC and high-performance data management provided by WP2 for developing intelligent screening approaches for the exploitation of large amounts of satellite atmospheric data in an operational context. It will implement a prototype service on the already available Sentinel 5 Precursor (S5P) European atmospheric sounding mission:</p> <ol style="list-style-type: none"> 1. Exploit an innovative technique for implementing data screening method applied to the spectral dimension of the data cubes; 2. Process 1 year of S5P data (~150 Terabytes) for the detection of a few types of dedicated events (e.g., wild fires, urban pollution episodes, industrial accidents/pollution); 3. Consolidate and prepare the extension of this service for the efficient operational exploitation of future satellite instruments Sentinel 5 (UVNS, IASI-NG) and Sentinel 4 (UNV, MTG-IRS). <p>This work will build on cross fertilization with WP3, WP5 and WP6 to consolidate/improve the efficiency and genericity of the intelligent screening of environmental satellite data.</p> <p>Task 4.1: Implementation of PCA filtering techniques for detection of exceptional atmospheric event (M1-M12; SPASCIA; Participants: SPA, AERIS, CINES and CSC from WP2; Subcontract: HYGEOS, SRON)</p> <ul style="list-style-type: none"> -Test and validation on samples of available data measurements: IASI, S5P, GOSAT, etc.; -Scientific consolidation of the processing on S5P for targeting atmospheric events (wild fire, anthropogenic pollution plumes, industrial accidents). <p>Task 4.2: Adaptation and preparation of tools, data and environment for the data screening processing of Sentinel 5 precursor data (M9-M18; SPASCIA; Participants: SPA, AERIS, CINES and CSC from WP2; Subcontract: HYGEOS, SRON; In coordination with WP3 tasks 3.1 and 3.2)</p> <ul style="list-style-type: none"> -Access and interface with the data through common interface standards; -Definition of Metadata information model and format (with support from pilot users); -Preparation/implementation of the processing for common interactive processing service and portal. <p>Task 4.3: Processing of 1 year of global S5P data for detection of extreme atmospheric events (M12-M30 – First global product at M18, then several iterations with tasks 4 and 5; SPASCIA; Participants: SPA, AERIS; Subcontract: HYGEOS)</p> <ul style="list-style-type: none"> -S5p data processing; -Quality analysis and verification; -S5P products and metadata available to the pilot users. <p>Task 4.4.1: Use case 1 – Exploitation for monitoring and alert service development (M18-M30; SPASCIA; Participants: SPA)</p> <ul style="list-style-type: none"> -Qualification of the product quality and added-value (with respect to already available/planned L2 products) for real time monitoring of targeted atmospheric events; -Specification of monitoring and alert services, and dimensioning of requirements for real-time exploitation, processing and archiving. <p>Task 4.4.2: Use case 2 – Scientific exploitation of the product (M18-M30; SPASCIA; Participants: SPA; Subcontract: SRON, AERIS)</p> <p>1) SPA+SRON will address the exploitation of the service for Carbon Monoxide (CO) plume detection and classification. 2) AERIS will develop scientific exploitation and promotion of the service with the AERIS scientific users community. For these two topics, the following WP will be carried on:</p> <ul style="list-style-type: none"> -Demonstration of added value of the products for scientific analysis of atmospheric events; -Promotion and dissemination to the S5P scientific user communities. <p>Task 4.5: Update the service, and prepare for the exploitation of Copernicus Atmosphere satellite data (M24-M36; SPASCIA; Participants: SPA, AERIS)</p> <ul style="list-style-type: none"> -Interaction with - and feedbacks from - operational users at national level (envisaged pilot already expressing interest: INERIS) and European level (envisaged pilot already expressing interest: CAMS), -Prepare the extension of the service for the efficient operational exploitation of future satellite instruments Sentinel 5 (UVNS, IASI-NG) and Sentinel 4 (UNV, MTG-IRS): specification, dimensioning size and requirements for the storage and processing loads.
Indicative start date	01/09/2019
Indicative end date	01/09/2022
Verifying milestone(s)	Initial Data Management Plan, Intermediate Data Management Plan, Final Data Management Plan, Compliance with data and metadata quality assurance
Activity number	5
Activity name	Activity 5 - Use Case 2 - Big data earth observations: processing on-demand services for environmental monitoring
Implementing applicant(s)	IRD, Geomatys

Activity description	<p>Work package leader: IRD</p> <p>Optical and radar images observing Earth land have become an essential source of information to address and analyse environmental issues. The diversity of Earth observation sensors makes it possible to consider these data as an unprecedented source of information, able to provide new insights into environmental monitoring. THEIA scientific expertise centres have design and implemented prototypes of new algorithms that meet the information needs of environmental monitoring stakeholders, such as land cover, soil moisture, natural vegetation biomass, the evolution of the artificial task combining VHR optical and radar sensors images.</p> <p>Based on extended HPC environment coupled with an architecture that allows access to massive storage capacity delivered by WP2, the objectives of this WP is to enhance the scalability of EO data processing chains, disseminate in FAIR manner the mapping products for environmental monitoring coming from the end-users needs of THEIA land data centre network. The aim is to be able to:</p> <p>1) Have interoperable access to catalogues of HR and VHR Earth Observation (EO) data from different sensors (Sentinel 1 and 2, SPOT) 2) Ensure massive and on-demand EO data processing of mapping products for environmental monitoring and the dedicated web user environment, 3) Provide standardised services for the discovery and access to the information produced in order to allow its open and interoperable dissemination according to the FAIR principles.</p> <p>This activity is composed of the following tasks:</p> <p>Task 5.1: EO data processing chains for massive and on-demand execution (M1-M24; IRD, Geolabs)</p> <p>It consists in optimizing (parallelizing) the THEIA data land processing chains so that they can take advantage of HPC environments and enable production in all or part of Europe (e.g. Mediterranean perimeter). Metadata production within these chains will also be specified and implemented to ensure the description of maps produced for discovery and open dissemination.</p> <p>Task 5.2: UI web environment dedicated for on-demand execution (M20-M36; IRD)</p> <p>The current GEOSUD VHR images on-demand processing portal will be enhanced to allow the configuration and execution of on-demand processing chains on Sentinel temporal series. For this purpose, it will provide the discovery over sentinel images catalogue and available processing with the capability to filter images taking into account the processing constraints execution (format or characteristics of processing inputs).</p> <p>Task 5.3: Data workflows for discovery, access of EO raw data and products (M6-M24; Geomatys)</p> <p>Starting from the existing GEOSUD data standardization pipeline (SPOT67), this task will consist in specifying and then implementing the Sentinel 1 & 2 data standardization pipeline needed to produce the maps. It will also specify the standardisation pipeline that will allow the products from the data processing workflow to be share (discovery, visualization, access) in an interoperable manner (in compliance with the INSPIRE directives).</p>
Indicative start date	01/09/2019
Indicative end date	01/09/2022
Verifying milestone(s)	Initial Data Management Plan, Intermediate Data Management Plan, Final Data Management Plan, Compliance with data and metadata quality assurance
Activity number	6
Activity name	Activity 6 - Use Case 3 - Ocean
Implementing applicant(s)	Université de Liège, Maris, Ifremer, CNRS, CSC, Finnish Environment Institute

Activity description	<p>Work package leader: IFREMER</p> <p>The general objective of this Ocean use case is to improve the use of cloud services for marine data management, data service to user in a FAIR perspective, data processing on demand, taking into account the European Open Science Cloud (EOSC) challenge and the Copernicus Data and Information Access Services (DIAS). In those terms, this use case can be seen as one of the prototypes, for marine environmental data, of the future Blue Cloud foreseen by the European Commission.</p> <p>Task 6.1: Improvement of long-term stewardship of data (M1-M24; IFREMER) This task studies and proposes specifications to improve the long-term archiving of marine data. It will rely on the work conducted by WP2 for IT capacities and WP3 for metadata, and develop specific tools such as tools for controlling that actual data sets are in the described format (NetCDF using CF convention, Ocean DataView Spreadsheet) and described with the appropriate metadata (ISO 19115- Inspire compliant) and common vocabularies. The objective of this task is to progressively insure that marine data are preserved within procedures that can be certified by the Research Data Alliance (Core Trust Seal of Approval).</p> <p>Task 6.2: Improvement of data storage for services to users (M1-M18; Maris) This task studies and proposes specifications to improve the storage of marine data to provide fast and interoperable access for dissemination purposes and their processing within dedicated high-performance computing environments (Task 5.3).</p> <p>Task 6.3: Marine data processing workflows for on-demand processing (M6-M24; ULiège) The DIVA software tool has been designed and is maintained by partner ULiège from Belgium. DIVA stands for Data-Interpolating Variational Analysis and is a software tool for spatial interpolation of in-situ data and the generation of gridded field using an efficient finite-element solver. This task consists in optimizing DIVA and the IT hosting context to provide on-demand computing to user. That includes pre-processing of data using programming language and online parametrization of DIVA. The Jupyter notebooks seems to be suitable as they combine:</p> <ol style="list-style-type: none"> 1.Code fragments that can be run successively; 2.Text cells that describe the code and at the same time constitute the user guide and; 3.Figures or animations that illustrate different steps in the process, for instance: data extraction, duplicate removal, gridded and error fields. <p>The use case will use the following context as a demonstrator:</p> <ul style="list-style-type: none"> -SeaDataNet will provide a base input of hundreds of thousands of data sets with nutrients ((PO4, Total Phosphorus, NO2+NO3, NO3, Total Nitrogen, NH4 and SiO4), chlorophyll and dissolved oxygen as collected from multiple data providers for the Atlantic Ocean and for the Baltic Sea regions; -Thereafter this data collection will be used as input for preparing interpolated maps of specific parameters in time and depth. Depending on sufficient spatial and temporal data, maps might be produced for: Nutrients (Phosphate, Nitrate) , Oxygen, and Chlorophyll-a. To generate these basin maps, the DIVA software will be used; -Inter-comparison with satellite Ocean Color data will be conducted to detect and to supersede potential issues with the link with DIAS. <p>Task 6.4: Data inter-comparison, collection and visualization (M1-M24; IFREMER) Starting from the existing SeaDataCloud salinity data and products and the SMOS data available at the SMOS Data Production Centre, inter-comparisons will be conducted, including visualisation using Inspire compliant services, computation and analyse of gridded products. That implies several developments because up to now these data are not located in the same technical environments:</p> <ul style="list-style-type: none"> -Improvement of data storage for both data sources; -Adaptation of inter-comparison software to the new storage; -Set up of Inspire compliant visualization services on top of data products and data inter-comparison grids.
Indicative start date	01/09/2019
Indicative end date	01/09/2021
Verifying milestone(s)	Initial Data Management Plan, Intermediate Data Management Plan, Final Data Management Plan, Compliance with data and metadata quality assurance
Activity number	7
Activity name	Activity 7 - Dissemination, Impact and Sustainability Path
Implementing applicant(s)	Maris, Ifremer, CINES, Geomatys, Spascia, Université de Liège, Trust-IT, CNRS, CERFACS, IRD, Néovia Innovation, Finnish Environment Institute, CSC

Activity description	<p>Work package leader: TRUST-IT</p> <ul style="list-style-type: none"> -Ensure a coordinated targeted communication of the PHIDIAS project, providing appropriate visibility to all stakeholders; -Deliver and maintain a dissemination and engagement plan based on the SMART approach, describing all dissemination and outreach activities that are going to be performed to ensure effective stakeholder engagement and dissemination of project outputs; -Organize and deliver focused face-to-face and online engagement events; -Provide a model for sustainability to ensure the effort continues beyond project completion. <p>Task 7.1: Communication and Outreach (M1-M36; TRUST-IT)</p> <p>This task will first deliver a detailed communication, outreach and dissemination plan for PHIDIAS project:</p> <ul style="list-style-type: none"> -Developing project coordinated messages, branding and visual identity, and online presence (website, social media channel creations); -Ensuring continuous communication of project activities (internally and externally to the consortium) through online and offline content delivery, including newsletters, and press releases, brochures and flyers, videos and other collaterals; -Building and nurturing a social media community around the project activities. <p>This task will also develop and deliver targeted and tailored dissemination and outreach activities to sensitize specific communities:</p> <ul style="list-style-type: none"> -Targeted social media campaigns; -Dedicated webinar series; -Video campaign for layman users (e.g. citizen scientist). <p>Task 7.2: Engagement with user and stakeholder communities (existing and new) (M1-M36; NEOVIA; Partners: TRUST-IT)</p> <p>Building on the project progress and the development of its use cases, this task will organize and deliver engagement activities targeting existing and new user communities in the area of Big Data and HPC to foster the adoption of the project's developed services, solicit community feedback on the project activities, and promoting the uptake of HPC and Big Data services among new user communities. Activities in this task will include:</p> <ul style="list-style-type: none"> -Organization of focused workshops based around the use cases of the project (3, to be co-located with relevant/related events for the communities); -Organize a dedicated HPC workshop, that could be hosted side-by-side with other EU HPC events such as the EuroHPC Summit Week; -An organised Summer School Hackathon including training elements. <p>Task 7.3: EU-wide cross-dissemination & concertation (M1-M36; TRUST-IT; Partners: NEOVIA)</p> <p>This task will be in charge of organizing and delivering two major project events, one mid-term community event (M18) and one final community event (M34) intended widely disseminate and promote the project results. Besides the objectives above, these events aim also at consolidating the project network and to gather, and facilitate cross-pollination between, representatives from the HPC and Big Data communities, users within the scientific communities, and public and private sector stakeholders. These events will finally provide the venue for exchanges and joint activities with other related initiatives in Europe and beyond.</p> <p>Task 7.4: Sustainability Path & Funding models (M8-M36; CINES; Partners: TRUST-IT, NEOVIA)</p> <p>A joint exploitation path underpins the sustainability of the project by extending through the use cases recruited through a large-scale promotional campaign targeting the consortium's extensive networked community.</p> <p>It is intended that the sustainability path will have two phases: it will begin from month 12 onwards, with the developed sustainability model and a Business model and Commercialisation strategy will be made available in month 18 and then implemented over the final months of the project, meaning that the legacy of the project will be legally established and operational when the project finishes at month 36:</p> <ul style="list-style-type: none"> -Identified partnerships with member states and funding agencies; -Identified partners in the private sector; -Delivery of sustainability model.
Indicative start date	01/09/2019
Indicative end date	01/09/2022
Verifying milestone(s)	Engagement of the end-users

Milestones of the Action

Milestone number	Milestone description	Milestone summary	Indicative completion date	Mean(s) of verification
1	Project progress in period 1	The action is progressing according to the planned schedule and budget	01/09/2020	Periodic report for period 1

2	Project progress in period 2	The action is progressing according to the planned schedule and budget	01/09/2021	Periodic report for period 2
3	Initial Data Management Plan	The first version of the Data Management Plan is completed and agreed by all partners	01/03/2020	Delivery of D1.3
4	Intermediate Data Management Plan	The second version of the Data Management Plan is completed and agreed by all partners	01/03/2021	Delivery of D1.4
5	Final Data Management Plan	The final version of the Data Management Plan is completed and agreed by all partners	01/09/2022	Delivery of D1.5
6	Compliance with data and metadata quality assurance	The action outputs are compliant with the requirements of the targeted platform, including security measures	01/09/2022	Relevant datasets (including metadata) resulting from the action are published on a nation portal or catalogue that is harvested by the European Data Portal
7	Engagement of the end-users	The end-users targeted by the services acknowledges its added value	01/09/2022	Monitoring of the activity report: delivery of workshops and webinars/publication of the project's results to the various stakeholders

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A3.2

TENtec proposal number 2018-EU-IA-0089 (28219827)

Financial information on the Action

Indicative breakdown of estimated eligible costs by activity

Co-financing rate 75.00

Activities	Personnel costs	Subcontracting costs	Other costs	Total costs	Indirect eligible costs	Total eligible costs	Estimated CEF contribution
Activity 1 - Management & Technical Coordination	323,820	50,000	15,000	388,820	23,717	412,537	309,403
Néovia Innovation	126,000	30,000	0	156,000	8,820	164,820	123,615
IRD	52,020	0	0	52,020	3,641	55,661	41,746
CINES	145,800	20,000	15,000	180,800	11,256	192,056	144,042
Activity 2 - Compute and storage workflow management	687,004	0	0	687,004	48,090	735,094	551,321
CNRS	30,988	0	0	30,988	2,169	33,157	24,868
CSC	72,816	0	0	72,816	5,097	77,913	58,435
CINES	583,200	0	0	583,200	40,824	624,024	468,018
Activity 3 - Development of the Common System	501,653	0	0	501,653	35,116	536,769	402,577
IRD	71,130	0	0	71,130	4,979	76,109	57,082
Maris	28,000	0	0	28,000	1,960	29,960	22,470
Ifremer	72,000	0	0	72,000	5,040	77,040	57,780
Geomatys	210,000	0	0	210,000	14,700	224,700	168,525
Néovia Innovation	28,000	0	0	28,000	1,960	29,960	22,470

Activities	Personnel costs	Subcontracting costs	Other costs	Total costs	Indirect eligible costs	Total eligible costs	Estimated CEF contribution
CNRS	69,723	0	0	69,723	4,881	74,604	55,953
CERFACS	22,800	0	0	22,800	1,596	24,396	18,297
Activity 4 - Use Case 1 - Intelligent screening of large amount of satellite data for detection and identification of anomalous atmospheric composition events	441,478	80,000	0	521,478	30,903	552,381	414,286
CNRS	77,478	0	0	77,478	5,423	82,901	62,176
Spascia	364,000	80,000	0	444,000	25,480	469,480	352,110
Activity 5 - Use Case 2 - Big data earth observations: processing on-demand services for environmental monitoring	294,702	50,000	50,000	394,702	24,129	418,831	314,123
IRD	189,702	50,000	50,000	289,702	16,779	306,481	229,861
Geomatys	105,000	0	0	105,000	7,350	112,350	84,263
Activity 6 - Use Case 3 - Ocean	341,715	40,000	0	381,715	23,920	405,635	304,226
Université de Liège	49,800	0	0	49,800	3,486	53,286	39,965
Maris	84,000	0	0	84,000	5,880	89,880	67,410
Ifremer	54,000	40,000	0	94,000	3,780	97,780	73,335
CNRS	100,711	0	0	100,711	7,050	107,761	80,821
CSC	18,204	0	0	18,204	1,274	19,478	14,609
Finnish Environment Institute	35,000	0	0	35,000	2,450	37,450	28,088
Activity 7 - Dissemination, Impact and Sustainability Path	235,000	0	193,250	428,250	29,978	458,228	343,671
Maris	0	0	10,000	10,000	700	10,700	8,025
Ifremer	0	0	10,000	10,000	700	10,700	8,025
CINES	0	0	73,250	73,250	5,128	78,378	58,783
Geomatys	0	0	10,000	10,000	700	10,700	8,025
Spascia	0	0	10,000	10,000	700	10,700	8,025
Université de Liège	0	0	10,000	10,000	700	10,700	8,025

Activities	Personnel costs	Subcontracting costs	Other costs	Total costs	Indirect eligible costs	Total eligible costs	Estimated CEF contribution
Trust-IT	165,000	0	10,000	175,000	12,250	187,250	140,438
CNRS	0	0	10,000	10,000	700	10,700	8,025
CERFACS	0	0	10,000	10,000	700	10,700	8,025
IRD	0	0	10,000	10,000	700	10,700	8,025
Néovia Innovation	70,000	0	10,000	80,000	5,600	85,600	64,200
Finnish Environment Institute	0	0	10,000	10,000	700	10,700	8,025
CSC	0	0	10,000	10,000	700	10,700	8,025
Total	2,825,372	220,000	258,250	3,303,622	215,854	3,519,476	2,639,607

Sources of Financing

Applicants	Applicant budget(s)	State budget(s)	Regional/local budget(s)	Other sources	Requested CEF financing	Total
CINES	223,614	0	0	0	670,843	894,457
CERFACS	8,773	0	0	0	26,322	35,095
CNRS	77,280	0	0	0	231,842	309,122
CSC	27,022	0	0	0	81,069	108,091
Geomatys	86,937	0	0	0	260,813	347,750
IRD	112,238	0	0	0	336,714	448,952
Ifremer	46,380	0	0	0	139,140	185,520
Maris	32,635	0	0	0	97,905	130,540
Néovia Innovation	70,095	0	0	0	210,285	280,380
Spascia	120,045	0	0	0	360,135	480,180
Finnish Environment Institute	12,038	0	0	0	36,113	48,151
Trust-IT	46,813	0	0	0	140,438	187,251
Université de Liège	15,997	0	0	0	47,990	63,987
TOTAL	879,867	0	0	0	2,639,609	3,519,476

Related actions

If the proposed Action is part of a larger project previously supported through EU funding, please specify all related Actions:

Action title	Funding programme	Grant Agreement / Decision number	Amount