



Connecting Europe Facility 2014-2020

TELECOM CALLS FOR PROPOSALS 2020

APPLICATION FORM

PART A

General information

Title of the proposed action

TENtec number

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A1

TENtec proposal number 2020-EU-IA-0284 (29416075)

General information on the proposal

Call for proposals	CEF-TC-2020-2 – Public Open Data		
Call priority	Not applicable		
Call sub-priority	Not applicable		
Title of the proposed Action	SPOTTED - Satellite oPen data fOr smarT ciTy sErVICES Development		
Proposal type	Not applicable		
Start date of the proposed Action	01/09/2021	End date of the proposed Action	31/08/2024

Scope and objectives of the proposed Action

Territorial changes, natural or man-made, can have a strong negative impact on land, buildings, critical infrastructures, natural environment both in terms of territorial sustainability and resilience dynamics. The owners or, more importantly, public entities in charge of managing massive land assets, need to continuously monitor what happens to the properties (cadastral parcels) under their control and possibly anticipate negative repercussions deriving from unexpected or undesirable changes. In this context Earth Observation (EO) open data are becoming increasingly important, in particular integration with other non-EO data enables highly valuable commercial applications.

SPOTTED project aims to provide an innovative solution based on the integration and customized processing of massive open data collections, including Earth Observation data to monitor and support decision takers in the field of Green Areas management.

SPOTTED solution is designed to combine artificial intelligence processes, cloud storage and cloud computing technologies, massive open data collection with customizable dashboards for automatically monitoring, classifying, managing, and predicting emerging land changes. An innovative framework of high-performance data infrastructure will enable capabilities for automated collection, combination, management, processing, enrichment, securing, and privacy preserving of heterogeneous datasets aiming at supporting decision-making based on Open data.

The project will clearly demonstrate how this framework will generate innovation and large-value creation from the data assets through the implementation of three pilots in Milan, Helsinki and Naples, focused on the monitoring and planning of green areas in the cities in relation to different factors (e.g. tourism impact, quality of life, economic growth etc.)

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2

TENtec proposal number 2020-EU-IA-0284 (29416075)

List of applicants

Applicant no.	Applicant legal name	Legal status	Country
1	ENGINEERING - INGEGNERIA INFORMATICA SPA	Private sector undertaking or body established in the EU/EEA	Italy
2	The Lisbon Council for Economic Competitiveness and Social Renewal asbl	Private sector undertaking or body established in the EU/EEA	Belgium
3	Latitudo40 S.r.l.	Private sector undertaking or body established in the EU/EEA	Italy
4	FIWARE Foundation e.V	Private sector undertaking or body established in the EU/EEA	Germany
5	PlanetGis Sky S.r.l.	Private sector undertaking or body established in the EU/EEA	Romania
6	Forum Virium Helsinki	Public sector undertaking or body established in the EU/EEA	Finland
7	Comune di Milano	Public sector undertaking or body established in the EU/EEA	Italy
8	Comune di Napoli	Public sector undertaking or body established in the EU/EEA	Italy

Coordinating applicant

The Lisbon Council for Economic Competitiveness and Social Renewal asbl

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.1

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	1
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Applicant

Applicant's legal name	ENGINEERING - INGEGNERIA INFORMATICA SPA
PIC number	999960488

Legal address			
Street name	PIAZZALE DELL'AGRICOLTURA	Number	24
City	Rome		
Postal code	00144		
Country	Italy		
VAT Number	05724831002		

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

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	1
Applicant's legal name	ENGINEERING - INGEGNERIA INFORMATICA SPA		

Contact points

Person in charge (first point of contact for the EU, if necessary)				
Gender	Male	Title	Mr	
Last name				
Function				
Is the address different from the applicant's address				YES
Street name				7275
City				
Postal code				
Country				
Phone				
Email				martino.maggiore@eng.it

Representative authorised to sign this application			
Gender	Male	Title	Mr
Last name			
Function			
Is the address different from the applicant's address			
Street name			
City			
Postal code			
Country			
Phone			
Email			

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	1
Applicant's legal name	ENGINEERING - INGEGNERIA INFORMATICA SPA		

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				
Function				
Is the address different from the legal address				NO
Street name				9
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	1
Applicant's legal name	ENGINEERING - INGEGNERIA INFORMATICA SPA		

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	2020-EU-IA-0284 (29416075)	Applicant no.	2
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Applicant

Applicant's legal name	The Lisbon Council for Economic Competitiveness and Social Renewal asbl		
PIC number	997420543		

Legal address			
Street name	rue de la Loi	Number	155
City	Brussels		
Postal code	1040		
Country	Belgium		
VAT Number	BE0860905088		

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

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	2
Applicant's legal name	The Lisbon Council for Economic Competitiveness and Social Renewal asbl		

Contact points

Person in charge (first point of contact for the EU, if necessary)				
Gender	Male	Title	Dr	
Last name	[REDACTED]			
Function				
Is the address different from the applicant's address				NO
Street name				155
City				
Postal code				
Country				
Phone				
Email				

Representative authorised to sign this application				
Gender	Male	Title	Mr	
Last name	[REDACTED]			
Function				
Is the address different from the applicant's address				NO
Street name				155
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature	

Additional representative authorised to sign this application				
Gender	Male	Title	Mr	
Last name	[REDACTED]			
Function				
Is the address different from the applicant's address				NO
Street name				155
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	2
Applicant's legal name	The Lisbon Council for Economic Competitiveness and Social Renewal asbl		

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 Progrés	Number	50
City	Brussels		
Postal code	1210		
Country	Belgium		

Representative authorised to sign this proposal				
Gender	Female	Title	Mrs	
Last name				
Function				
Is the address different from t				NO
Street name				50
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	2
Applicant's legal name	The Lisbon Council for Economic Competitiveness and Social Renewal asbl		

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	2020-EU-IA-0284 (29416075)	Applicant no.	3
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Applicant

Applicant's legal name	Latitudo40 S.r.l.		
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PIC number	938106886		
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Legal address

Street name	Via Francesco Verrotti	Number	4
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City	Napoli		
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Postal code	80128		
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Country	Italy		
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VAT Number	08702381214		
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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

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	3
Applicant's legal name	Latitudo40 S.r.l.		

Contact points

Person in charge (first point of contact for the EU, if necessary)	
Gender	
Last name	
Function	
Is the address different from	
Street name	
City	
Postal code	
Country	
Phone	
Email	

Representative authorised to	
Gender	
Last name	
Function	
Is the address different from	
Street name	
City	
Postal code	
Country	
Phone	
Email	

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
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A2.3

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	3
Applicant's legal name	Latitudo40 S.r.l.		

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				
Function				
Is the address different from				NO
Street name				9
City				
Postal code				
Country				
Phone				
Email				
Date				
Signature of the competent EU Member State Ministry				

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	3
Applicant's legal name	Latitudo40 S.r.l.		

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	2020-EU-IA-0284 (29416075)	Applicant no.	4
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Applicant

Applicant's legal name	FIWARE Foundation e.V
PIC number	919308965

Legal address			
Street name	Franklinstrasse	Number	13A
City	Berlin		
Postal code	10587		
Country	Germany		
VAT Number	DE309937516		

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

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	4
Applicant's legal name	FIWARE Foundation e.V		

Contact points

Person in charge (first point of contact for the EU, if necessary)

Gender	Male	Title	Mr	
Last name				
Function				
Is the address different from the applicant's address				NO
Street name				13A
City				
Postal code				
Country				
Phone				
Email				

Representative authorised to sign

Gender				
Last name				
Function				
Is the address different from the applicant's address				NO
Street name				13A
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	4
Applicant's legal name	FIWARE Foundation e.V		

EU Member State Approval

Ministry's legal name	Bundesministerium des Innern, für Bau und Heimat		
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Legal address			
Street name	Alt-Moabit	Number	140
City	Berlin		
Postal code	10557		
Country	Germany		

Representative authorised to sign this proposal				
Gender	Male	Title	Mr	
Last name	[REDACTED]			
Function				
Is the address different from the legal address				NO
Street name				140
City				
Postal code				
Country				
Phone				
Email				
Date				
Signature of the competent EU Member State Ministry				

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	4
Applicant's legal name	FIWARE Foundation e.V		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
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A2.1

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	5
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Applicant

Applicant's legal name	PlanetGis Sky S.r.l.		
PIC number	900404150		

Legal address			
Street name	Str. Theodor Aman	Number	17
City	Sinaia		
Postal code	106100		
Country	Romania		
VAT Number	RO35278191		

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

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	5
Applicant's legal name	PlanetGis Sky S.r.l.		

Contact points

Person in charge (first point of contact for the EU, if necessary)				
Gender	Male	Title	Mr	
Last name	[REDACTED]			
Function				
Is the address different from t				NO
Street name				17
City				
Postal code				
Country				
Phone				
Email				

Representative authorised to				
Gender	Male	Title	Mr	
Last name	[REDACTED]			
Function				
Is the address different from t				NO
Street name				17
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	5
Applicant's legal name	PlanetGis Sky S.r.l.		

EU Member State Approval

Ministry's legal name	MINISTERUL FONDURILOR EUROPENE
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Legal address			
Street name	Sos. Bucuresti-Ploiesti Number	Number	nr. 1 – 1B
City	Bucharest		
Postal code	013681		
Country	Romania		

Representative authorised to sign this proposal			
Gender	Male	Title	Mr
Last name	[REDACTED]		
Function	[REDACTED]		
Is the address different from the one above	No		
Street name	Sos. Bucuresti-Ploiesti Number	Number	nr. 1 – 1B
City	Bucharest		
Postal code	013681		
Country	Romania		
Phone	[REDACTED]		
Email	[REDACTED]		

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	5
Applicant's legal name	PlanetGis Sky S.r.l.		

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	2020-EU-IA-0284 (29416075)	Applicant no.	6
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Applicant

Applicant's legal name	Forum Virium Helsinki
PIC number	997534324

Legal address			
Street name	Unioninkatu	Number	24
City	Helsinki		
Postal code	00130		
Country	Finland		
VAT Number	FI21700292		

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

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	6
Applicant's legal name	Forum Virium Helsinki		

Contact points

Person in charge (first point of contact for the EU, if necessary)

Gender	Female	Title	Ms	
Last name	[REDACTED]			
Function				
Is the address different from t				NO
Street name				24
City				
Postal code				
Country				
Phone				
Email				

Representative authorised to

Gender		Title		
Last name	[REDACTED]			
Function				
Is the address different from t				NO
Street name				24
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	6
Applicant's legal name	Forum Virium Helsinki		

EU Member State Approval

Ministry's legal name	Ministry of Finance (Finnish Government)
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Legal address			
Street name	Snellmanninkatu 1A	Number	PO Box 28
City	Helsinki		
Postal code	00023		
Country	Finland		

Representative authorised to sign this proposal				
Gender	Male	Title	Mr	
Last name				
Function				
Is the address different from t				YES
Street name				9
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	6
Applicant's legal name	Forum Virium Helsinki		

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	2020-EU-IA-0284 (29416075)	Applicant no.	7
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Applicant

Applicant's legal name	Comune di Milano		
PIC number	998702204		

Legal address			
Street name	Piazza della Scala	Number	2
City	Milano		
Postal code	20121		
Country	Italy		
VAT Number	01199250158		

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

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	7
Applicant's legal name	Comune di Milano		

Contact points

Person in charge (first point of contact for the EU, if necessary)

Gender	Male	Title	Mr	
Last name				
Function				
Is the address different from the applicant's address				NO
Street name				2
City				
Postal code				
Country				
Phone				
Email				

Representative authorised to sign

Gender				
Last name				
Function				
Is the address different from the applicant's address				NO
Street name				2
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	7
Applicant's legal name	Comune di Milano		

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				
Function				
Is the address different from the legal address				NO
Street name				9
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.4

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	7
Applicant's legal name	Comune di Milano		

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	2020-EU-IA-0284 (29416075)	Applicant no.	8
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Applicant

Applicant's legal name	Comune di Napoli
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PIC number	949799848
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Legal address

Street name	Palazzo San Giacomo, piazza Municipio	Number	1
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City	Napoli
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Postal code	80133
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Country	Italy
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VAT Number	01207650639
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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

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.2

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	8
Applicant's legal name	Comune di Napoli		

Contact points

Person in charge (first point of contact for the EU, if necessary)

Gender	Male	Title	Mr	
Last name				
Function				
Is the address different from t				YES
Street name				40
City				
Postal code				
Country				
Phone				
Email				

Representative authorised to

Gender				
Last name				
Function				
Is the address different from t				YES
Street name				330
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A2.3

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	8
Applicant's legal name	Comune di Napoli		

EU Member State Approval

Ministry's legal name	Permanent Representation of Italy to the EU Telecommunications and Information Society, Audiovisual, Postal Services
-----------------------	--

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				
Function				
Is the address different from				NO
Street name				9
City				
Postal code				
Country				
Phone				
Email				

Date	
Signature of the competent EU Member State Ministry	

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM


A2.4

TENtec proposal number	2020-EU-IA-0284 (29416075)	Applicant no.	8
Applicant's legal name	Comune di Napoli		

Affiliated Entities

There are no affiliated entities designated by the applicant.

Application Form Part A

	<p>EUROPEAN COMMISSION</p>	<p>CONNECTING EUROPE FACILITY: TELECOM</p>	<p>A3.1</p>
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<p>TENtec proposal number</p>	<p>2020-EU-IA-0284 (29416075)</p>
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Activities of the Action

<p>Activity number</p>	<p>1</p>
<p>Activity name</p>	<p>Requirements and pilot preparation</p>
<p>Implementing applicant(s)</p>	<p>PlanetGis Sky S.r.l., Forum Virium Helsinki, Latitudo40 S.r.l., Comune di Milano, FIWARE Foundation e.V, Comune di Napoli, The Lisbon Council for Economic Competitiveness and Social Renewal asbl, ENGINEERING - INGEGNERIA INFORMATICA SPA</p>
<p>Activity description</p>	<p>The scope of this activity will be the preparation of pilots in the municipalities involved, from requirement identification to service design and in field data source identification and dataset harmonization. The activity includes also the definition of KPIs and impact assessment methodology that will be used as a tool for the impact assessment and validation of the pilots. The leader of this activity is Comune di Milano</p> <p>Task 1.1 – Pilot requirements and service design This task aims at identifying the requirements related to the specific pilot use cases of the municipalities involved in the SPOTTED project. The requirement elicitation activity will focus on both functional and non-functional requirements of the services identified in the project proposal. It will take into consideration the potential impact those services can achieve in terms of new business opportunities and local twin transformation (digital + green) by leveraging the High Value Dataset types selected (i.e. geospatial, hearth observation, statistical and IoT). The identified requirements will drive the functional design of the services that will be implemented in Activity 2. The process of requirements elicitation and service design will be performed through the involvement of different categories of stakeholders that have interest in the services at city level. The requirement elicitation process will be kept running during the duration of the project to both (i) enabling a feedback-loop with the 3 municipalities partner; (ii) activate replication opportunities between the 3 municipalities partner themselves (i.e. FVH, CDM, CDN) and towards new municipalities potentially interested in the project outputs (see letters of support already collected). This task will leverage the outcomes of the challenges performed in Task 4.3.</p> <p>Task 1.2 - Data identification and preparation The objective of this task is (i) to identify all the necessary data sources to be used by the pilot services (and their replicability in other territories), defined in Task 1.1, and (ii) to perform the necessary activities to prepare data for the pilot running phase (Activity 3). In particular this task will include the identification of the most suitable High Value Datasets among satellite data sources for implementing the specific use cases, historical and statistical data plus real time open data provided by the cities. External and additional open data coming from European Data Portal or other national and international validated open data repositories will be also considered. The data preparation activities can include data/metadata harmonisation, adoption of shared ontologies, image pre-processing.</p> <p>Task 1.3 - KPI and impact assessment methodology In this task it will be defined the Key Performance Indicators and the methodology to assess the impact of the piloted services and the benefits for the stakeholders involved. The KPIs together with assessment methodology will address different aspects of the potential service impact, in particular the combined effect of environmental (strictly related with the green-areas use cases chosen by cities) and socio-economic benefits for citizens, public administrations, and companies (with a specific focus to the SME). Moreover, the assessment methodology will measure the impact of the High Value Dataset used and provided by the pilot, in terms of business value creation, generation of new cross-border services across Europe and their potential reuse. The replicability of the project in other European cities (not included in the consortium) will be also take into consideration in the KPI definition together with the replicability between the 3 municipalities partner.</p>
<p>Indicative start date</p>	<p>01/09/2021</p>
<p>Indicative end date</p>	<p>31/12/2023</p>

Verifying milestone(s)	Pilot service requirement and functional design, KPI and Impact assessment methodology defined, Dataset identified and accessible
Activity number	2
Activity name	Technical development and deployment
Implementing applicant(s)	PlanetGis Sky S.r.l., Forum Virium Helsinki, Latitudo40 S.r.l., Comune di Milano, FIWARE Foundation e.V, Comune di Napoli, The Lisbon Council for Economic Competitiveness and Social Renewal asbl, ENGINEERING - INGEGNERIA INFORMATICA SPA
Activity description	<p>The objective of Activity 2 is the development, integration and deployment of the SPOTTED technical framework to support the pilot execution. Also, in this activity, it will be provided the specific services and applications to implement the use cases of the pilot cities. The leader of this activity will be Engineering</p> <p>Task 2.1 - Framework design The objective of the task is to design the overall technical framework to support the services to be piloted in the public administration territories involved. In this task it will be performed the identification of the different technological assets, their interfaces interactions in relations of the open data sources to be harvested (e.g. open data portals), also, and in particular, satellite data resources (geospatial and hearth Observation). The task will also carry out the analysis of the internal city digital infrastructure that will be connected to the SPOTTED framework to provide city data (e.g. both static and real-time data). A specific attention will be paid in the interaction with European Open Data Portal in terms of technical interfaces and data/metadata models. Finally, in this task it will be also defined the API (including NGSI-LD API) to allow data access and re-used by third parties in order to boost exploitation opportunities for the framework (and its adoption), together with the replicability of the technical approach suggested.</p> <p>Task 2.2 - Framework integration This task aims at implementing the SPOTTED technical framework integrating the heterogeneous asset identified in the design phase of T2.1. In particular the task will be in charge of: (i) developing the necessary connector to enable interoperability by the different systems involved in the framework (e.g. connection with the city internal systems, connection with satellite data systems); (ii) assure and verify open data interoperability in compliance with the different standard supported by the project (e.g. DCAT-AP, GeoDCAT-AP), based on the input of T1.2; (iii) overall integration and deployment and validation of the overall framework in a cloud environment, ready to be accessed by the pilot services.</p> <p>Task 2.3 - Service development and deployment Starting from the requirements and service design performed in Activity 1, Task 2.3 will be in charge of developing and deploying the final pilot services to support the municipalities' use cases. In this task it will be provided and configured the tools and dashboard for the end-users based on the functionalities identified in T1.2. The main outcome of this task are the pilot services deployed and working in real environments, ready to support the pilot phase (Activity 3). This task will also technically support the potential replication activities in municipalities not included in the consortium that has already expressed (see support letters) or will express interest (at execution time) in the project outputs.</p>
Indicative start date	01/01/2022
Indicative end date	31/12/2023
Verifying milestone(s)	Technical framework available, Pilot services deployed
Activity number	3
Activity name	Pilot execution and validation
Implementing applicant(s)	PlanetGis Sky S.r.l., Forum Virium Helsinki, Latitudo40 S.r.l., Comune di Milano, FIWARE Foundation e.V, Comune di Napoli, The Lisbon Council for Economic Competitiveness and Social Renewal asbl, ENGINEERING - INGEGNERIA INFORMATICA SPA

Activity description	<p>Activity 3 includes the task to support the pilot execution and to assess their impact based on the methodology defined in Activity 1. The leader of Activity 3 is PlanetGis SKY</p> <p>Task 3.1 - Pilot execution and monitoring The objective of task 3.1 is the overall monitoring of the pilot activities and support to assure a successful execution of the services. During this task it will be verified that pilot execution will follow and achieve the main objectives identified in activity 1 without major problems and delays. The execution phase will be carried out in two iterations, the first one starting in M18 and the second one, after a revision of requirements and technical framework, will start in M28. A technical support will be established by the main technical partners of SPOTTED project, in order to support the cities and final users in the usage of pilot services and to assure the full functionalities of the basic technical framework. This will be valid both for the direct pilot activities and the replication ones.</p> <p>Task 3.2 - Pilot evaluation and impact assessment The objective of this task will be twofold: first of all, the it will be evaluated the correctness pilot execution, in terms of, for instance user involvement and satisfaction and achievement of the pilot plan execution based on the input coming from task 3.1. Moreover, this task, starting from the methodology identified in Task 1.3, will perform the assessment of the impact of the outcomes of the project, collecting and analysing the measurements related to the KPIs identified for each validation dimension. The impact assessment process will actively involve all the different stakeholders addressed by both the pilot services initially defined and those defined and run for replication purpose.</p> <p>Task 3.3 - Lesson learned and guidelines Task 3.3 aims at creating a public report including all lessons learned and guidelines for the public administration for the adoption of SPOTTED framework and services. This report will be elaborated taking in consideration the overall results of the pilots, the technological and procedural barriers encountered in their execution the engagement of stakeholders and other relevant indicators. The task will support and at the same time will leverage replication activity outcomes during the execution of the project. The guidelines elaborated will support other cities and public administrations in the usage of SPOTTED framework, and beyond the specific use cases piloted in the project after its end.</p>
Indicative start date	01/01/2023
Indicative end date	31/08/2024
Verifying milestone(s)	Impact assessment report, Lesson learned and guidelines
Activity number	4
Activity name	Dissemination and exploitation
Implementing applicant(s)	PlanetGis Sky S.r.l., Forum Virium Helsinki, Latitudo40 S.r.l., Comune di Milano, FIWARE Foundation e.V, Comune di Napoli, The Lisbon Council for Economic Competitiveness and Social Renewal asbl, ENGINEERING - INGEGNERIA INFORMATICA SPA

Activity description	<p>Activity 4 - Dissemination and exploitation (FF)</p> <p>The overall objective of this activity is to maximize the visibility of Spotted actions. The consortium will produce and execute a comprehensive communication and dissemination plan in order to reach as large an audience as possible. The main activities of Communication and Dissemination will be linked to the organization of Challenges in EU Members state in Hybrids form (Virtual and Physical). The leader of this activity will be the FIWARE Foundation</p> <p>Task 4.1 Project Dissemination This task will develop and implement an effective Communication and Dissemination Activities. Special attention will be given to National and International Public entities and SMEs based on Member's State to foster the adoption of the SPOTTED framework assets. The dissemination activities will:</p> <ul style="list-style-type: none"> - share the replicability of the Action's results in several areas; - promote the framework at EU level as the most important and distinguishing example of ICT excellence thanks to the use of CEF Context Broker technology in the field of specific applications; - capture the interest of SMEs specialized in data as well as policy makers, Investors, and Public Administrations; - establish a permanent dialogue among the main stakeholders interested in the application to discuss how it could be integrated with existing ones. <p>Task 4.2 Challenges Competition In order to achieve the scope of dissemination of the adoption of Spotted, two different challenges will be organized in cooperation with the consortium partners, specifically Milan, Helsinki and Naples. The challenges will also consider other territories for potential replications (e.g. the municipality of Barcelona has already expressed interest with this respect, see support letter). The challenges will consist in a marathon of innovation aimed at developing new services/applications for SMEs and Public Administrations, and both will focus on the use of Satellite technologies, Open Data technologies (e.g. European Open Data Portal) and the Context Broker (with the integration of others CEF Building Blocks where possible). The objective of the Challenges Competition is to create - in work teams - innovative solutions in, but not limited, geospatial and hearth observation fields. The Challenges will be open to all the potential stakeholders: developers, technical and business staff of SME and start-ups, university's students, researchers. Moreover, policy makers, cities managers, and experts from the private sector will be involved to provide feedback, suggestions, and recommendations on the "challenges" which will be the topic of the competition. The participants of the challenges, that will be rewarded with dedicated prizes, will be announced during global events, such as the FIWARE Global Summit.</p> <p>Task 4.3 Exploitation and Sustainability This task will develop a comprehensive exploitation plan, including key recommendations for SMEs, developers, policy makers, cities managers, and stakeholders on the managing of public data. The aim is to address "transnational interoperability issues" that would improve the deployment of solutions and to guarantee the cross borders and the interoperability. The overall objective is to present and validate the action's results and promote the action's relevance in terms of its regional, national and international impact, its environmental impacts, and the main achievements that should be replicated and re-used in the years to come. The plan will also describe the processes and methods carried out, the negative and positive experiences creating a permanent dialogue with external stakeholders, so as to foster better transparent transferability and applicability of results.</p>
Indicative start date	01/09/2021
Indicative end date	31/08/2024
Verifying milestone(s)	SPOTTED Challenge 1, SPOTTED challenge 2, Final dissemination report
Activity number	5
Activity name	Project management
Implementing applicant(s)	PlanetGis Sky S.r.l., Forum Virium Helsinki, Latitudo40 S.r.l., Comune di Milano, FIWARE Foundation e.V, Comune di Napoli, The Lisbon Council for Economic Competitiveness and Social Renewal asbl, ENGINEERING - INGEGNERIA INFORMATICA SPA

Activity description	<p>Activity 5 will implement the necessary tasks to ensure the correct achievement of the project objectives and contractual commitments through a validated process. In this activity will be included the overall management of the project including the financial and administrative tasks, the risk monitoring and the technical coordination. The leader of this activity is Lisbon Council</p> <p>Task 5.1 – Administrative and operational management of the project This task deals with the overall project management activities including coordination processes, facilitating communication, organisation of meetings, reporting, as well as the administrative and financial management of the project and providing interfaces to the EC. In particular this task will be performed the following actions:</p> <ul style="list-style-type: none"> - Regular communication with consortium partners - Support to the day-by-day requests from the consortium members - Regular project implementation monitoring - Preparation of progress and general assembly meetings - Deliverable quality check - Identification, avoidance and resolution of conflicts and any IPR issues - Overall legal, contractual, ethical, financial and administrative management - Contact point for EC Project Officer - Delivery of periodical activity reports - Monitor and update the internal and external risks and implement their mitigation measures. - Monitor project impact KPI - Set-up collaboration and communication tools for an effective project partners cooperation. <p>Also in the Activity 1 it will be also produced a Data Management Plan including information about dataset managed and provided during the project concerning, for instance, data content, licenses, privacy and security issues.</p>
Indicative start date	01/09/2021
Indicative end date	31/08/2024
Verifying milestone(s)	First periodic report, Second periodic report, Final periodic report

Milestones of the Action

Milestone number	Milestone description	Milestone summary	Indicative completion date	Mean(s) of verification
1	Pilot service requirement and functional design	Pilot service requirement and functional design	30/04/2022	Delivery of requirements and design report
2	KPI and Impact assessment methodology defined	KPI and Impact assessment methodology defined	31/05/2022	Release of impact assessment methodology
3	Dataset identified and accessible	Data sources and open datasets are clearly identified and accessible	31/12/2022	Delivery of open data plan that includes information about open datasets and sources
4	Technical framework available	This milestone is related to the availability of the spotted framework deployed to support pilot activities	30/09/2022	Availability (e.g. url) of a working instance of the technical framework
5	Pilot services deployed	This milestone is related to the availability of the pilot services correctly deployed	31/01/2023	Availability of the pilot service applications (e.g. mobile app, web site etc)
6	Impact assessment report	This milestone is related to the release of the impact assessment report	31/08/2024	Delivery of the impact assessment report
7	Lesson learned and guidelines	Lesson learned and guidelines	31/08/2024	Delivery of the lesson learned and guidelines report
8	SPOTTED Challenge 1	Announcement of the first SPOTTED challenge	28/02/2023	Announcement via mailing lists and websites of the first SPOTTED challenge
9	SPOTTED challenge 2	Announcement of the second SPOTTED challenge	31/10/2023	Announcement via mailing lists and websites of the second SPOTTED challenge
10	Final dissemination report	Final dissemination report	31/08/2024	Delivery of the final dissemination report
11	First periodic report	This milestone is related to the availability of first periodic report	31/08/2022	Delivery of first periodic report

12	Second periodic report	Delivery of second periodic report	31/08/2023	Delivery of second periodic report
13	Final periodic report	Delivery of first periodic report	31/08/2024	Delivery of final periodic report

Application Form Part A



EUROPEAN COMMISSION

CONNECTING EUROPE FACILITY:
TELECOM

A3.2

TENtec proposal number 2020-EU-IA-0284 (29416075)

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
Requirements and pilot preparation	326,700	0	0	326,700	22,869	349,569	262,177
PlanetGis Sky S.r.l.	27,000	0	0	27,000	1,890	28,890	21,668
Forum Virium Helsinki	37,500	0	0	37,500	2,625	40,125	30,094
Latitudo40 S.r.l.	28,000	0	0	28,000	1,960	29,960	22,470
Comune di Milano	54,600	0	0	54,600	3,822	58,422	43,817
FIWARE Foundation e.V.	22,500	0	0	22,500	1,575	24,075	18,056
Comune di Napoli	54,600	0	0	54,600	3,822	58,422	43,817
The Lisbon Council for Economic Competitiveness and Social Renewal asbl	52,500	0	0	52,500	3,675	56,175	42,131
ENGINEERING - INGEGNERIA INFORMATICA SPA	50,000	0	0	50,000	3,500	53,500	40,125
Technical development and deployment	421,900	0	0	421,900	29,533	451,433	338,575
PlanetGis Sky S.r.l.	76,500	0	0	76,500	5,355	81,855	61,391

Activities	Personnel costs	Subcontracting costs	Other costs	Total costs	Indirect eligible costs	Total eligible costs	Estimated CEF contribution
Forum Virium Helsinki	30,000	0	0	30,000	2,100	32,100	24,075
Latitudo40 S.r.l.	80,000	0	0	80,000	5,600	85,600	64,200
Comune di Milano	25,200	0	0	25,200	1,764	26,964	20,223
FIWARE Foundation e.V	15,000	0	0	15,000	1,050	16,050	12,038
Comune di Napoli	25,200	0	0	25,200	1,764	26,964	20,223
The Lisbon Council for Economic Competitiveness and Social Renewal asbl	15,000	0	0	15,000	1,050	16,050	12,038
ENGINEERING - INGEGNERIA INFORMATICA SPA	155,000	0	0	155,000	10,850	165,850	124,388
Pilot execution and validation	372,400	0	0	372,400	26,068	398,468	298,851
PlanetGis Sky S.r.l.	49,500	0	0	49,500	3,465	52,965	39,724
Forum Virium Helsinki	37,500	0	0	37,500	2,625	40,125	30,094
Latitudo40 S.r.l.	28,000	0	0	28,000	1,960	29,960	22,470
Comune di Milano	46,200	0	0	46,200	3,234	49,434	37,076
FIWARE Foundation e.V	45,000	0	0	45,000	3,150	48,150	36,113
Comune di Napoli	46,200	0	0	46,200	3,234	49,434	37,076
The Lisbon Council for Economic Competitiveness and Social Renewal asbl	75,000	0	0	75,000	5,250	80,250	60,188
ENGINEERING - INGEGNERIA INFORMATICA SPA	45,000	0	0	45,000	3,150	48,150	36,113
Dissemination and exploitation	369,500	0	20,000	389,500	27,265	416,765	312,574
PlanetGis Sky S.r.l.	22,500	0	0	22,500	1,575	24,075	18,056
Forum Virium Helsinki	15,000	0	0	15,000	1,050	16,050	12,038
Latitudo40 S.r.l.	20,000	0	0	20,000	1,400	21,400	16,050
Comune di Milano	21,000	0	0	21,000	1,470	22,470	16,853

Activities	Personnel costs	Subcontracting costs	Other costs	Total costs	Indirect eligible costs	Total eligible costs	Estimated CEF contribution
FIWARE Foundation e.V	142,500	0	20,000	162,500	11,375	173,875	130,406
Comune di Napoli	21,000	0	0	21,000	1,470	22,470	16,853
The Lisbon Council for Economic Competitiveness and Social Renewal asbl	82,500	0	0	82,500	5,775	88,275	66,206
ENGINEERING - INGEGNERIA INFORMATICA SPA	45,000	0	0	45,000	3,150	48,150	36,113
Project management	126,900	0	104,000	230,900	16,163	247,063	185,297
PlanetGis Sky S.r.l.	4,500	0	12,000	16,500	1,155	17,655	13,241
Forum Virium Helsinki	7,500	0	12,000	19,500	1,365	20,865	15,649
Latitudo40 S.r.l.	4,000	0	12,000	16,000	1,120	17,120	12,840
Comune di Milano	4,200	0	12,000	16,200	1,134	17,334	13,001
FIWARE Foundation e.V	7,500	0	12,000	19,500	1,365	20,865	15,649
Comune di Napoli	4,200	0	12,000	16,200	1,134	17,334	13,001
The Lisbon Council for Economic Competitiveness and Social Renewal asbl	90,000	0	20,000	110,000	7,700	117,700	88,275
ENGINEERING - INGEGNERIA INFORMATICA SPA	5,000	0	12,000	17,000	1,190	18,190	13,643
Total	1,617,400	0	124,000	1,741,400	121,898	1,863,298	1,397,474

Sources of Financing

Applicants	Applicant budget(s)	State budget(s)	Regional/local budget(s)	Other sources	Requested CEF financing	Total
ENGINEERING - INGEGNERIA INFORMATICA SPA	83,460	0	0	0	250,380	333,840
The Lisbon Council for Economic Competitiveness and Social Renewal asbl	89,612	0	0	0	268,838	358,450
Latitudo40 S.r.l.	46,010	0	0	0	138,030	184,040

FIWARE Foundation e.V	70,754	0	0	0	212,261	283,015
PlanetGis Sky S.r.l.	51,360	0	0	0	154,080	205,440
Forum Virium Helsinki	37,316	0	0	0	111,949	149,265
Comune di Milano	43,656	0	0	0	130,968	174,624
Comune di Napoli	43,656	0	0	0	130,968	174,624
TOTAL	465,824	0	0	0	1,397,474	1,863,298

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