### **SMUABS**®

SMart URBan
Solutions
for air quality,
disasters and city
growth

**Expected Outcome** 

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#### **Overall Ambition**

- Improve the quality of life of citizens
- Enhance cities' resilience wrt air pollution, natural and manmade disasters, utilizing smart urban solutions, taking into account rates of urban growth, and long standing impacts on health and newly rising pressures like migration
- Overcome the currently fragmented status of EO, bring together a vast array of partners of a high degree of expertise in EO under the smart city banner





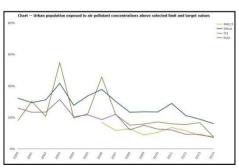


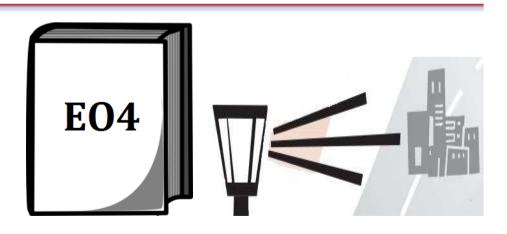




- Portfolio of Smart Urban Solutions
- Essential Urban Variables and indicators
- EO4migration and EO4health white papers
- Training material, replication guidelines for follower cities





























OBJ	Target Outcome	Key Performance Indicators (KPIs)	#
	Provide to relevant stakeholders robust and	No of smart-urban solutions in a ready-to-uptake	
	comprehensive Smart Urban Solutions (e.g.	status and open access datasets	
	Decision Support Systems) and timely, open		
OA1	access datasets		15
	Engagement of city authorities to take up and	No of expressed interest and concrete actions	
	build upon SMURBS solutions, during and after	(e.g. LoI, MoU, additional investments)	
OA1	project lifetime		10
	Take on board national and EU policies during	No of on-board/enforced national policy agenda	
	the design and implementation of the EO	aspects	
OA2	platforms		10
	Address monitoring gaps in relation to national	No of adopted SMURBS-based solutions in the	_
OA2	agendas	implementation of national policies	5
	Empower the GEOSS activities in sustainable	No of datasets linked to GCI/GEOSS directly or	
OA3	urban development	through regional data hubs	50
	Utilise the potential of Copernicus in EO	No of Copernicus data and services types	_
OA3	solutions for urban pressures	incorporated in the EO solutions	5
042	Support the validation of Copernicus products	No of validated Copernicus products and	10
OA3	and its in-situ component	datasets added to its in-situ component	10
	Showcase potential of EO complementa-rity	No of showcases	
OA4	towards reducing running costs		3
	Foster EO-based SDG implementation and	No of solutions that enable effective monitoring	_
OA4	monitoring	of SDGs	5
	Integrate existing or new EO platforms for air	No of EO platforms integrated	
OB1	pollution into a smart city framework		25
000	Create a smart framework for Disaster Risk	No of disaster management smart urban	_
OB2	Reduction (DRR) at urban scales	solutions	5
OBS	Create a smart framework for managing and	No of urban growth solutions	-
OB3	planning urban growth	No. (50 days)	5
OB4	Create timely, comprehensively visualized, open	No of EO dataset types provided to the public	15
UB4	access datasets	No. of health and advantage of the	15
OB5	Increase the arsenal of authorities in tackling	No of health and migration case studies	5
OBS	perplexed urban pressures	employing EO	•
OC1	Create smart urban solutions fusing multiple EO platforms	No of smart urban solutions created by synergy of more than 2 EO platforms	12
OCI		·	12
OC2	Exploit the potential that EO brings in the Urban Essential Variables (EVs) domain	No of EVs and relevant sub-indicators developed and monitored by EO platforms	15
-002	Maximize interoperability and compliance with	No of compliant datasets linked to GEOSS portal	13
осз	GEOSS of urban-related datasets	no or comprising datasets linked to GEO33 portal	50
-003	Empower citizens by triggering their	No of Citizen Observatories (COs) implemented	30
	involvement and environmental awareness and	o. c.a.zen observatories (cos) imprementeu	
OC5	cultivate Smart Citizens		3
	Establish a future reference point for the EO	No of future projects building on SMURBS results	-
OC6	smart city domain		30
	Target a wide range of audiences and increase	- No. of articles in journals, confer. and media	20
	visibility	- Unique website visitors (end of project)	2k
	<i>'</i>	- Printed brochures distributed to stakeholders	250
		- Subscribers to newsletter	200
OC7		- Social media followers	300
-007		Journal Income Tollowers	300

Horizon 2020 Call: H2020-SC5-2015-one-stage Topic: SC5-15-2015 Type of action: ERA-NET-Cofund Grant agreement no: 689443 Proposal acronym: ERA-PLANET





















OBJ	Target Outcome	Key Performance Indicators (KPIs)	#
	Provide to relevant stakeholders robust and	No of smart-urban solutions in a ready-to-uptake	
	comprehensive Smart Urban Solutions (e.g.	status and open access datasets	
	Decision Support Systems) and timely, open		
OA1	access datasets		15
	Engagement of city authorities to take up and	No of expressed interest and concrete actions	
	build upon SMURBS solutions, during and after	(e.g. LoI, MoU, additional investments)	
OA1	project lifetime	No. of a color of the color of	10
	Take on board national and EU policies during	No of on-board/enforced national policy agenda	
OA2	the design and implementation of the EO platforms	aspects	10
UAZ		No of adopted SMURBS-based solutions in the	10
OA2	Address monitoring gaps in relation to national agendas	implementation of national policies	5
UAZ	Empower the GEOSS activities in sustainable	No of datasets linked to GCI/GEOSS directly or	
OA3	urban development	through regional data hubs	50
-073	Utilise the potential of Copernicus in EO	No of Copernicus data and services types	30
OA3	solutions for urban pressures	incorporated in the EO solutions	5
UAS			
OA3	Support the validation of Copernicus products and its in-situ component	No of validated Copernicus products and datasets added to its in-situ component	10
OA3	Showcase potential of EO complementa-rity	No of showcases	10
044	towards reducing running costs	INO OF SHOWCASES	•
OA4			3
	Foster EO-based SDG implementation and	No of solutions that enable effective monitoring	_
OA4	monitoring	of SDGs	5
004	Integrate existing or new EO platforms for air	No of EO platforms integrated	
OB1	pollution into a smart city framework		25
000	Create a smart framework for Disaster Risk	No of disaster management smart urban	_
OB2	Reduction (DRR) at urban scales	solutions	5
000	Create a smart framework for managing and	No of urban growth solutions	_
ОВ3	planning urban growth		5
004	Create timely, comprehensively visualized, open	No of EO dataset types provided to the public	15
OB4	access datasets		15
005	Increase the arsenal of authorities in tackling	No of health and migration case studies	_
OB5	perplexed urban pressures	employing EO	5
OC1	Create smart urban solutions fusing multiple EO	No of smart urban solutions created by synergy	12
-OC1	platforms	of more than 2 EO platforms	12
063	Exploit the potential that EO brings in the Urban	No of EVs and relevant sub-indicators developed	15
OC2	Essential Variables (EVs) domain	and monitored by EO platforms	15
002	Maximize interoperability and compliance with	No of compliant datasets linked to GEOSS portal	
OC3	GEOSS of urban-related datasets	No of Citizen Observatories (COs) implemental	50
	Empower citizens by triggering their involvement and environmental awareness and	No of Citizen Observatories (COs) implemented	
OC5	cultivate Smart Citizens		3
- <del>-</del>		No of future projects building on SMI IRRS results	3
OC6	Establish a future reference point for the EO smart city domain	No of future projects building on SMURBS results	30
	Target a wide range of audiences and increase	- No. of articles in journals, confer. and media	20
	visibility		20 2k
	1333	- Unique website visitors (end of project)	2K 250
		- Printed brochures distributed to stakeholders	_
		- Subscribers to newsletter	200
OC7		- Social media followers	300

Smart Urban Solutions in a readyfor-uptake status and open access datasets

15





















ОВЈ	Target Outcome	Key Performance Indicators (KPIs)	#
	Provide to relevant stakeholders robust and	No of smart-urban solutions in a ready-to-uptake	
	comprehensive Smart Urban Solutions (e.g.	status and open access datasets	
	Decision Support Systems) and timely, open		
OA1	access datasets		15
	Engagement of city authorities to take up and	No of expressed interest and concrete actions	
	build upon SMURBS solutions, during and after	(e.g. LoI, MoU, additional investments)	
OA1	project lifetime		10
	Take on board national and EU policies during	No of on-board/enforced national policy agenda	
	the design and implementation of the EO	aspects	
OA2	platforms		10
	Address monitoring gaps in relation to national	No of adopted SMURBS-based solutions in the	
OA2	agendas	implementation of national policies	5
	Empower the GEOSS activities in sustainable	No of datasets linked to GCI/GEOSS directly or	
OA3	urban development	through regional data hubs	50
	Utilise the potential of Copernicus in EO	No of Copernicus data and services types	
OA3	solutions for urban pressures	incorporated in the EO solutions	5
	Support the validation of Copernicus products	No of validated Copernicus products and	
OA3	and its in-situ component	datasets added to its in-situ component	10
	Showcase potential of EO complementa-rity	No of showcases	
OA4	towards reducing running costs		3
	Foster EO-based SDG implementation and	No of solutions that enable effective monitoring	
OA4	monitoring	of SDGs	5
	Integrate existing or new EO platforms for air	No of EO platforms integrated	
OB1	pollution into a smart city framework		25
	Create a smart framework for Disaster Risk	No of disaster management smart urban	
OB2	Reduction (DRR) at urban scales	solutions	5
	Create a smart framework for managing and	No of urban growth solutions	
ОВЗ	planning urban growth	<b>3</b> · · · · · · · · · · · · · · · · · · ·	5
	Create timely, comprehensively visualized, open	No of FO dataset types provided to the public	
OB4	access datasets		15
	Increase the arsenal of authorities in tackling	No of health and migration case studies	
OB5	perplexed urban pressures	employing EO	5
	Create smart urban solutions fusing multiple EO	No of smart urban solutions created by synergy	
OC1	platforms	of more than 2 EO platforms	12
	Exploit the potential that EO brings in the Urban	No of EVs and relevant sub-indicators developed	
OC2	Essential Variables (EVs) domain	and monitored by EO platforms	15
	Maximize interoperability and compliance with	No of compliant datasets linked to GEOSS portal	
ОСЗ	GEOSS of urban-related datasets	, and a second portain	50
	Empower citizens by triggering their	No of Citizen Observatories (COs) implemented	
	involvement and environmental awareness and		
OC5	cultivate Smart Citizens		3
	Establish a future reference point for the EO	No of future projects building on SMURBS results	
OC6	smart city domain		30
	Target a wide range of audiences and increase	- No. of articles in journals, confer. and media	20
	visibility	- Unique website visitors (end of project)	2k
	, '	- Printed brochures distributed to stakeholders	250
		- Subscribers to newsletter	200
007			300
OC7		- Social media followers	300

Adopted SMURBS-based solutions in the implementation of national policies

5





















OBJ	Target Outcome	Key Performance Indicators (KPIs)	#
	Provide to relevant stakeholders robust and	No of smart-urban solutions in a ready-to-uptake	
	comprehensive Smart Urban Solutions (e.g.	status and open access datasets	
	Decision Support Systems) and timely, open		
OA1	access datasets		15
	Engagement of city authorities to take up and	No of expressed interest and concrete actions	
	build upon SMURBS solutions, during and after	(e.g. LoI, MoU, additional investments)	
OA1	project lifetime		10
	Take on board national and EU policies during	No of on-board/enforced national policy agenda	
	the design and implementation of the EO	aspects	
OA2	platforms		10
	Address monitoring gaps in relation to national	No of adopted SMURBS-based solutions in the	
OA2	agendas	implementation of national policies	5
	Empower the GEOSS activities in sustainable	No of datasets linked to GCI/GEOSS directly or	
OA3	urban development	through regional data hubs	50
	othise the potential of Copenicus in EO	ivo or copernicus data and services types	
OA3	solutions for urban pressures	incorporated in the EO solutions	5
	Support the validation of Copernicus products	No of validated Copernicus products and	
OA3	and its in-situ component	datasets added to its in-situ component	10
	Showcase potential of EO complementa-rity	No of showcases	
OA4	towards reducing running costs		3
	Foster EO-based SDG implementation and	No of solutions that enable effective monitoring	
OA4	monitoring	of SDGs	5
	Integrate existing or new EO platforms for air	No of EO platforms integrated	
OB1	pollution into a smart city framework		25
	Create a smart framework for Disaster Risk	No of disaster management smart urban	
OB2	Reduction (DRR) at urban scales	solutions	5
	Create a smart framework for managing and	No of urban growth solutions	
ОВ3	planning urban growth	-	5
	Create timely, comprehensively visualized, open	No of EO dataset types provided to the public	
ОВ4	access datasets		15
	Increase the arsenal of authorities in tackling	No of health and migration case studies	
OB5	perplexed urban pressures	employing EO	5
	Create smart urban solutions fusing multiple EO	No of smart urban solutions created by synergy	
OC1	platforms	of more than 2 EO platforms	12
	Exploit the potential that EO brings in the Urban	No of EVs and relevant sub-indicators developed	
OC2	Essential Variables (EVs) domain	and monitored by EO platforms	15
	Maximize interoperability and compliance with	No of compliant datasets linked to GEOSS portal	
ОСЗ	GEOSS of urban-related datasets		50
	Empower citizens by triggering their	No of Citizen Observatories (COs) implemented	
	involvement and environmental awareness and		
OC5	cultivate Smart Citizens		3
	Establish a future reference point for the EO	No of future projects building on SMURBS results	
OC6	smart city domain		30
	Target a wide range of audiences and increase	- No. of articles in journals, confer. and media	20
	visibility	- Unique website visitors (end of project)	2k
	· '	- Printed brochures distributed to stakeholders	250
		- Subscribers to newsletter	200
007			
OC7		- Social media followers	300

Datasets linked to GCI/GEOSS directly or through regional data hubs

**50** 





















ОВЈ	Target Outcome	Key Performance Indicators (KPIs)	#
	Provide to relevant stakeholders robust and	No of smart-urban solutions in a ready-to-uptake	
	comprehensive Smart Urban Solutions (e.g.	status and open access datasets	
	Decision Support Systems) and timely, open		
OA1	access datasets		15
	Engagement of city authorities to take up and	No of expressed interest and concrete actions	
	build upon SMURBS solutions, during and after	(e.g. LoI, MoU, additional investments)	
OA1	project lifetime		10
	Take on board national and EU policies during	No of on-board/enforced national policy agenda	
	the design and implementation of the EO	aspects	
OA2	platforms		10
	Address monitoring gaps in relation to national	No of adopted SMURBS-based solutions in the	_
OA2	agendas	implementation of national policies	5
	Empower the GEOSS activities in sustainable	No of datasets linked to GCI/GEOSS directly or	
OA3	urban development	through regional data hubs	50
	Utilise the potential of Copernicus in EO	No of Copernicus data and services types	_
OA3	solutions for urban pressures	incorporated in the EO solutions	5
	Support the validation of Copernicus products	No of validated Copernicus products and	
OA3	and its in-situ component	datasets added to its in-situ component	10
	Showcase potential of EO complementa-rity	No of showcases	
<u> </u>	towards raducing running costs		
	Foster EO-based SDG implementation and	No of solutions that enable effective monitoring	
OA4	monitoring	of SDGs	- 5
	integrate existing or new EO platforms for all	No of EO platforms integrated	
OB1	pollution into a smart city framework		25
	Create a smart framework for Disaster Risk	No of disaster management smart urban	
OB2	Reduction (DRR) at urban scales	solutions	5
	Create a smart framework for managing and	No of urban growth solutions	
OB3	planning urban growth		5
	Create timely, comprehensively visualized, open	No of EO dataset types provided to the public	
OB4	access datasets		15
	Increase the arsenal of authorities in tackling	No of health and migration case studies	
OB5	perplexed urban pressures	employing EO	5
	Create smart urban solutions fusing multiple EO	No of smart urban solutions created by synergy	
OC1	platforms	of more than 2 EO platforms	12
	Exploit the potential that EO brings in the Urban	No of EVs and relevant sub-indicators developed	
OC2	Essential Variables (EVs) domain	and monitored by EO platforms	15
	Maximize interoperability and compliance with	No of compliant datasets linked to GEOSS portal	
ОСЗ	GEOSS of urban-related datasets		50
	Empower citizens by triggering their	No of Citizen Observatories (COs) implemented	
	involvement and environmental awareness and		
OC5	cultivate Smart Citizens		3
	Establish a future reference point for the EO	No of future projects building on SMURBS results	
OC6	smart city domain		30
	Target a wide range of audiences and increase	- No. of articles in journals, confer. and media	20
	visibility	- Unique website visitors (end of project)	2k
		- Printed brochures distributed to stakeholders	250
		- Subscribers to newsletter	200
OC7		- Social media followers	300
	orizon 2020	- Social media followers	3

Solutions that enable effective monitoring of SDGs

5





















DBJ	Target Outcome	Key Performance Indicators (KPIs)	#
	Provide to relevant stakeholders robust and	No of smart-urban solutions in a ready-to-uptake	
	comprehensive Smart Urban Solutions (e.g.	status and open access datasets	
	Decision Support Systems) and timely, open		
OA1	access datasets		15
	Engagement of city authorities to take up and	No of expressed interest and concrete actions	
	build upon SMURBS solutions, during and after	(e.g. LoI, MoU, additional investments)	
OA1	project lifetime		10
	Take on board national and EU policies during	No of on-board/enforced national policy agenda	
	the design and implementation of the EO	aspects	
OA2	platforms		10
	Address monitoring gaps in relation to national	No of adopted SMURBS-based solutions in the	
OA2	agendas	implementation of national policies	5
	Empower the GEOSS activities in sustainable	No of datasets linked to GCI/GEOSS directly or	
OA3	urban development	through regional data hubs	50
	Utilise the potential of Copernicus in EO	No of Copernicus data and services types	
ОАЗ	solutions for urban pressures	incorporated in the EO solutions	5
	Support the validation of Copernicus products	No of validated Copernicus products and	
OA3	and its in-situ component	datasets added to its in-situ component	10
	Showcase potential of EO complementa-rity	No of showcases	
OA4	towards reducing running costs		3
	Foster EO-based SDG implementation and	No of solutions that enable effective monitoring	Ť
OA4	monitoring	of SDGs	5
OA-	Integrate existing or new EO platforms for air	No of EO platforms integrated	
OB1	pollution into a smart city framework	No or EO practornis integrated	25
001	Create a smart framework for Disaster Risk	No of disaster management smart urban	
OB2	Reduction (DRR) at urban scales	solutions	5
ODE	Create a smart framework for managing and	No of urban growth solutions	
OB3	nlanning urban growth	NO OF Urbail growth solutions	_
		No. of CO. June 1981	
ОВ4	Create timely, comprehensively visualized, open	No or EO dataset types provided to the public	15
OD4	access datasets Increase the arsenal of authorities in tackling	No of health and migration case studies	12
OB5	perplexed urban pressures	employing EO	5
ODJ	Create smart urban solutions fusing multiple EO	No of smart urban solutions created by synergy	
OC1	platforms	of more than 2 EO platforms	12
OCI	Exploit the potential that EO brings in the Urban	No of EVs and relevant sub-indicators developed	12
OC2		•	15
ULZ	Essential Variables (EVs) domain	and monitored by EO platforms	13
000	Maximize interoperability and compliance with	No of compliant datasets linked to GEOSS portal	50
OC3	GEOSS of urban-related datasets	No. of Citions Observatories (COs) involutional	50
	Empower citizens by triggering their involvement and environmental awareness and	No of Citizen Observatories (COs) implemented	
OC5			3
013	cultivate Smart Citizens	No office or resident building or CANIDOC	3
OC6	Establish a future reference point for the EO	No of future projects building on SMURBS results	30
OC6	smart city domain	No of all locations and a section of	_
	Target a wide range of audiences and increase	- No. of articles in journals, confer. and media	20
	visibility	- Unique website visitors (end of project)	2k
		- Printed brochures distributed to stakeholders	250
		- Subscribers to newsletter	200
		- Subscribers to newsletter	200

EO dataset types provided to the public

**15** 





















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	Provide to relevant stakeholders robust and	No of smart-urban solutions in a ready-to-uptake	
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	Decision Support Systems) and timely, open		
OA1	access datasets		15
	Engagement of city authorities to take up and	No of expressed interest and concrete actions	
	build upon SMURBS solutions, during and after	(e.g. LoI, MoU, additional investments)	
OA1	project lifetime		10
	Take on board national and EU policies during	No of on-board/enforced national policy agenda	
	the design and implementation of the EO	aspects	
OA2	platforms		10
	Address monitoring gaps in relation to national	No of adopted SMURBS-based solutions in the	
OA2	agendas	implementation of national policies	5
	Empower the GEOSS activities in sustainable	No of datasets linked to GCI/GEOSS directly or	
OA3	urban development	through regional data hubs	50
	Utilise the potential of Copernicus in EO	No of Copernicus data and services types	
OA3	solutions for urban pressures	incorporated in the EO solutions	5
	Support the validation of Copernicus products	No of validated Copernicus products and	
OA3	and its in-situ component	datasets added to its in-situ component	10
	Showcase potential of EO complementa-rity	No of showcases	
OA4	towards reducing running costs		3
	Foster EO-based SDG implementation and	No of solutions that enable effective monitoring	
OA4	monitoring	of SDGs	5
	Integrate existing or new EO platforms for air	No of EO platforms integrated	
OB1	pollution into a smart city framework		25
	Create a smart framework for Disaster Risk	No of disaster management smart urban	
OB2	Reduction (DRR) at urban scales	solutions	5
	Create a smart framework for managing and	No of urban growth solutions	
ОВЗ	planning urban growth		5
	Create timely, comprehensively visualized, open	No of EO dataset types provided to the public	
ОВ4	access datasets		15
	Increase the arsenal of authorities in tackling	No of health and migration case studies	
OB5	perplexed urban pressures	employing EO	5
	Create smart urban solutions fusing multiple EO	No of smart urban solutions created by synergy	
OC1	platforms	of more than 2 EO platforms	12
	Exploit the potential that EO brings in the Urban	No of EVs and relevant sub-indicators developed	
OC2	Essential Variables (EVs) domain	and monitored by EO platforms	15
	Maximize interoperability and compliance with	No of compliant datasets linked to GEOSS portal	
<b>000</b>	02000 of urban related datasets		- 50
	Empower citizens by triggering their	No of Citizen Observatories (COs) implemented	
	involvement and environmental awareness and		
OC5	cultivate Smart Citizens		3
	Establish a future reference point for the EU	NO of future projects building on SMURBS results	
OC6	smart city domain	, , , , , , , , , , , , , , , , , , ,	30
	Target a wide range of audiences and increase	- No. of articles in journals, confer. and media	20
	visibility	- Unique website visitors (end of project)	2k
	,	- Printed brochures distributed to stakeholders	250
		- Subscribers to newsletter	_
			200
OC7		- Social media followers	300

Citizen Observatories (COs) implemented

3

Horizon 2020
Call: 2020-SC5-2015-one-stage
Topic: SC5-15-2015
Type of action: ERA-NET-Cofund
Grant agreement no: 689443
Proposal acronym: ERA-PLANET









# Advancement in the state-of-the-art: Policy and Social Sectors

- Adjustment to urban scales of the currently fragmented EO – Integration of EU activities
- Informed decision making
- Smart Citizens

















- In situ component
- Remote sensing techniques
- Modeling approaches
- Innovative platforms and synergies









- In situ component
- Remote sensing techniques
- Modeling approaches
- Innovative platforms and synergies

- Integration of AQ platforms
- Spatial variability and near-real-time distribution and analysis
- Fact-based decision making
- New parameters for standard monitoring, including indicators of oxidative stress
- •2D/3D mapping for pre/post assessment of disasters









- In situ component
- Remote sensing techniques
- Modeling approaches
- Innovative platforms and synergies

- •Satellite data integrated with ancillary information
- •Prototype system of a knowledge-driven integration of multi-source EO data (&COs)
- •EODESM system expansion to LU maps
- •Customization of existing PSI techniques for monitoring critical infrastructures
- •Dynamic integration of S1 imagery, for ground velocity maps provision











- In situ component
- Remote sensing techniques
- Modeling approaches
- Innovative platforms and synergies

- •Bridge regional, city-scale models, CAMS and other tools
- •Emission inventories based on dedicated observations on the intra-urban scale
- •Extend number of pollutants addressed, physico-chemical representation of processes or new sources











- In situ component
- Remote sensing techniques
- Modeling approaches
- Innovative platforms and synergies

- •Exploit the framework of COs, low-cost, micro-scale sensors to design and develop participatory strategies and sensing technolo gies
- •Geofence-driven approach to maximise the potential of involving citizens
- •Ingestion, processing and fusion of multimodal EO data along with information from crowdsourcing and participatory sensing









- In situ component
- Remote sensing techniques
- Modeling approaches
- Innovative platforms and synergies

#### Interoperability, Semantics











#### Impact as per the work programme

- •Reinforce European Leadership within GEO post-2015
- Empower informed decision making
- Build resilience of societies living in cities
- Trigger economic benefits and growth
- Support the implementation of the SDGs





- •Goal #11 "Make cities and human settlements inclusive, safe, resilient and sustainable"
- but also goals # 3, 9, 15, 16
- SDGs indicators possible support











### **GEO/GEOSS/Copernicus**advancement

- Pursue Strategic Objectives 1,2 and 3
- Address SBAs of Sustainable Urban Development, Public Health Surveillance, Disaster Resilience
- Capacity Building
- Support several GEO Core Functions
- Bring past or ongoing projects closer to GEO and the GEOSS vision and principles
- Broaden Copernicus user base
- Uptake from CLMS, CAMS & EMS and validate











Dissemination

Communication

**Exploitation** 











Dissemination Communication

**Exploitation** 



**Publications** 



Conferences/ Workshops



**Targeted** /Dedicated **Events** 



Summer **Schools** 





















Dissemination

Communication

**Exploitation** 



**Decision** makers



Research and **Academia** 



**EO Industry** 



**End-Users of EO** services



**Smart cities** initiatives



Media



**Public** 

Topic: SC5-15-2015-one-stage Topic: SC5-15-2015
Type of action: ERA-NET-Cofund Grant agreement no: 689443









Dissemination

Communication

**Exploitation** 

- •Targeted communication aimed at specific stakeholder groups
- •Multiplier and network effects will be leveraged to maximise the impact of communication activities
- •Pilot users and early adopters will become showcases for the purposes of communication
- •Communication tools to be used will be tailored to the needs of our specific audiences













#### Dissemination

#### **Communication**

#### **Exploitation**

Scenario 1: Uptake of SMURBS tools and services by partner cities and relevant agencies

Scenario 3: Scientific and technological follow ups

Scenario 2: Export of SMURBS tools and services to the outer world including non-EU cities

Scenario 4: Introduce individual portfolio elements into the EO marketplace

Scenario 5: White paper for EO exploitation in EY policy in sensitive priority topics









#### Thank You!







