



RESILIENCE IN ACTION

REFLECTIONS FROM THE FIELD EXPERIENCES

international seminar

AULA DE DONATOI POLITECNICO DI MILANO | FRIDAY 19 JANUARY 2018



EMERGING TRAJECTORIES FROM RESILIENCE IN ACTION

Resilience Practices Observatory

Angela Colucci, Stefano Cozzolino, Marcello Magoni, Giulia Pesaro, Rachele Radaelli

RESILIENCE PRACTICES OBSERVATORY

*OSSERVATORIO
PRATICHE
DI RESILIENZA*



Resilience Practices Observatory

[intro_5min]



Strategic Assets and focuses

[15min]



Emerging dynamics

[20min]

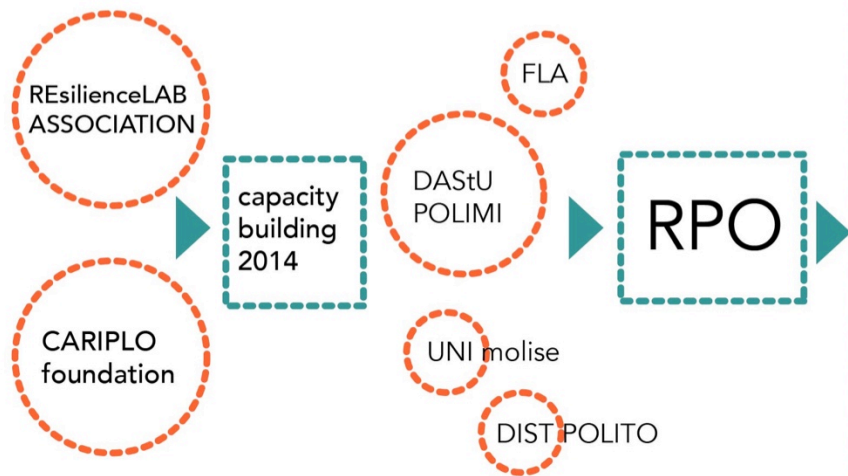
RESILIENCE
PRACTICES
OBSERVATORY



OSSERVATORIO
PRATICHE
DI RESILIENZA

Resilience Practices Observatory

[Angela Colucci]



2014 Resilient communities grant call 2014

2015 Resilience Practices Observatory

2016 Resilience Practices Observatory /1

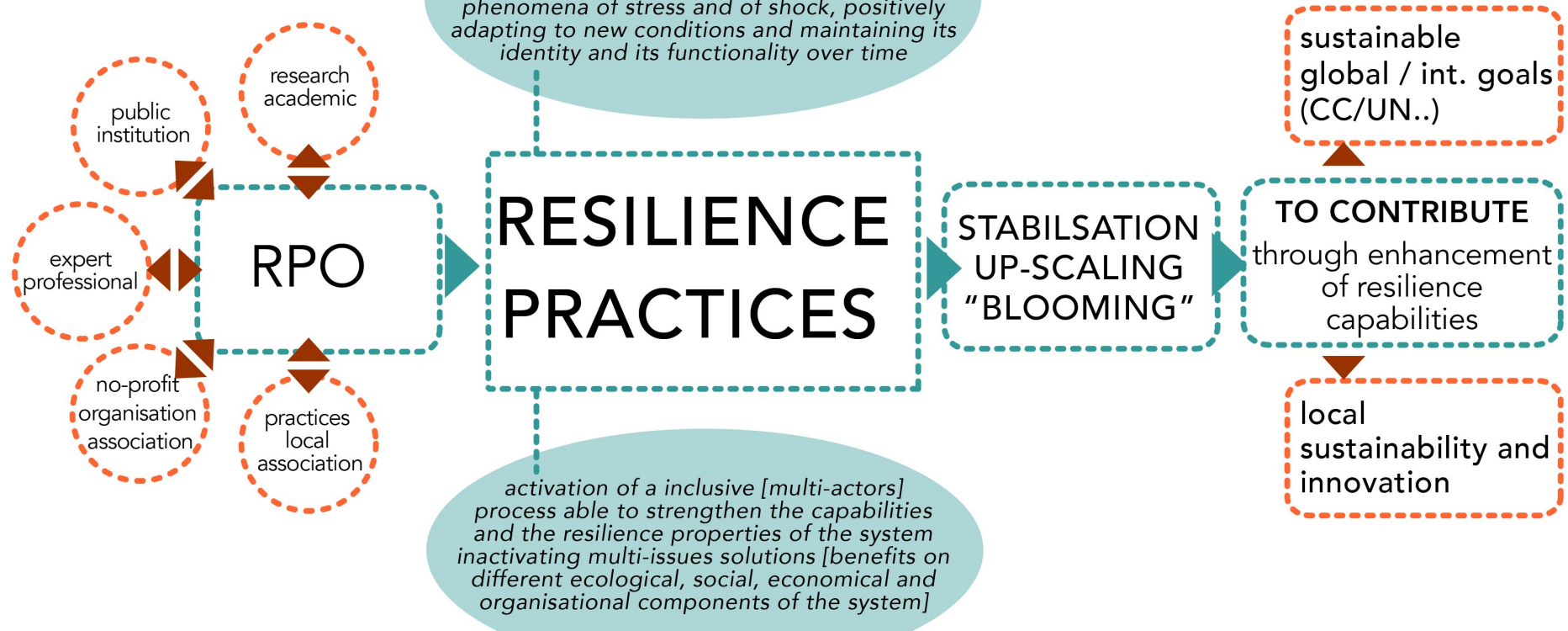
2017 Resilience Practices Observatory /2

2018

physics&engineering computer science&cybernetic

ecology psychology

resilience of complex systems is the sum of capabilities of complex adaptive system to activate responses to phenomena of stress and of shock, positively adapting to new conditions and maintaining its identity and its functionality over time





6 partners

+60 stakeholders [institutions and actors]

103 practices

2 forums [400 peoples
+15 presentations]

+40 key words collected

2 congress [150peoples]

1 web-site & 2media

+10 workshops

+3 scientific publication

+20 dissemination events/products



Resilience Practices Observatory NUMBERS

RESILIENCE PRACTICES OBSERVATORY



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DI RESILIENZA*

Strategic Assets and focuses

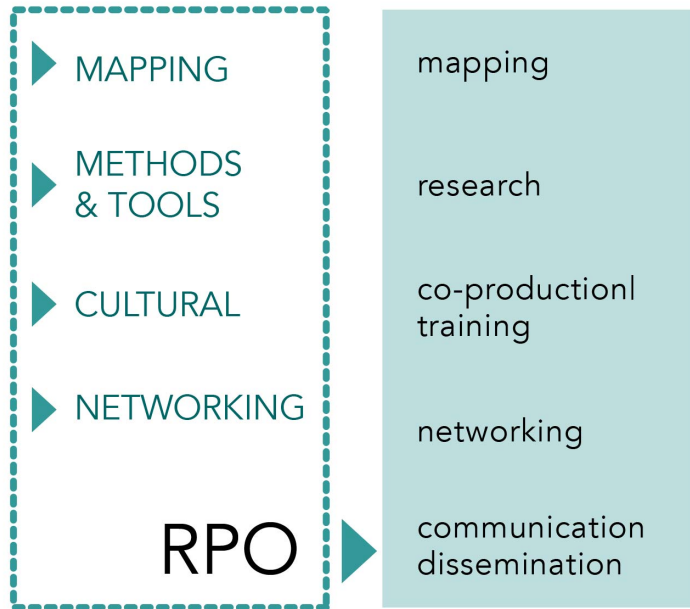
[contents]

RPO strategic assets

RPO as toolbox developed

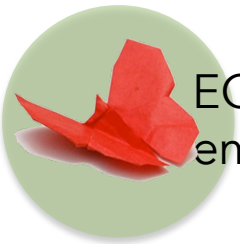
Promising and strategic issues

[Angela Colucci]



**ADAPTIVE & INCREMENTAL APPROACH
LINKING ALL THE ACTIVITIES OF RPO**
[coordination and consistence]





ECONOMICS ASPECTS

emerging critical aspects

- It is necessary to be more aware of how to deal with the economic and financial components integrated in the projects
- It is necessary to increase the quality and the innovation contents of the economic and financial based tools available
- There are increasing opportunities in better integrating projects on urban territorial resilience with methodological approaches and action goals looking at their economic dimensions. This particularly when referring to the more innovative tools and practices available in the so-called new economies, based on collaboration, sharing and sustainability.



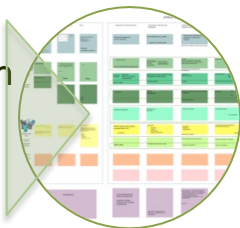
THE GOVERNANCE OF THE RESILIENCE PRACTICES PROCESSES

emerging critical aspects

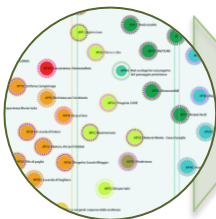
- difficulties (or lack) in managing (or design) the governance process (explicit strategies, actors maps...)
- lack of virtuous contaminations and alliances between sectors and actors
- no aware/conscious involvement of stakeholders able to support the RP [implementation/management, innovation in solution design...]
- few confidence in the feasibility and effectiveness of public-private cooperation [Processes promoted by public/institutional, private and civil society and or addressed to different sectors often are not converging]



launch of a call for the adhesion of practices at the national level



definition of the key topics for the event



FORUM EVENTS



organization phase

dialogues & CB

RPF2016

January 29th 2016

2016 _ 42 "practices" or initiatives activated by NGOs or local institutions + 13 researches applied to local contexts: promoted/supported by universities or research centres directly involving the local communities.

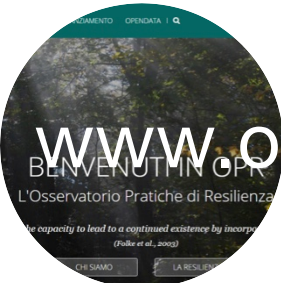
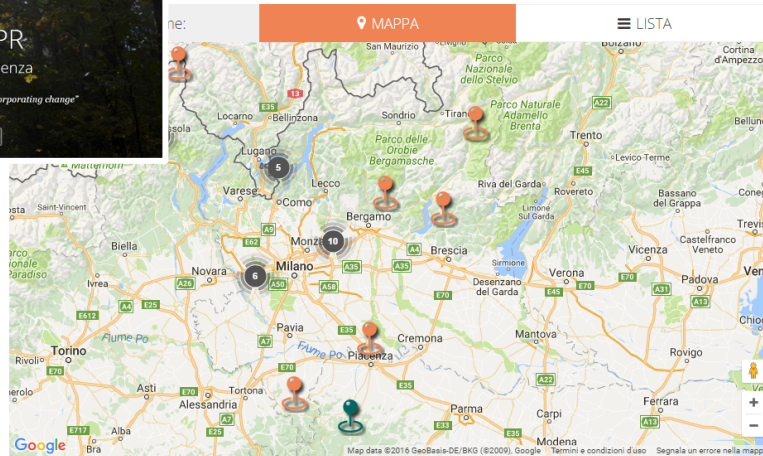
More than 200 participants (each Forum) & 40 actors engaged for dialogues/ co-production workshops



RPF2017

February 24th 2017

2017 _ 24 "practices" or initiatives activated by NGOs or local institutions + 3 researches applied to local contexts



www.osservatorioresilienza.it/

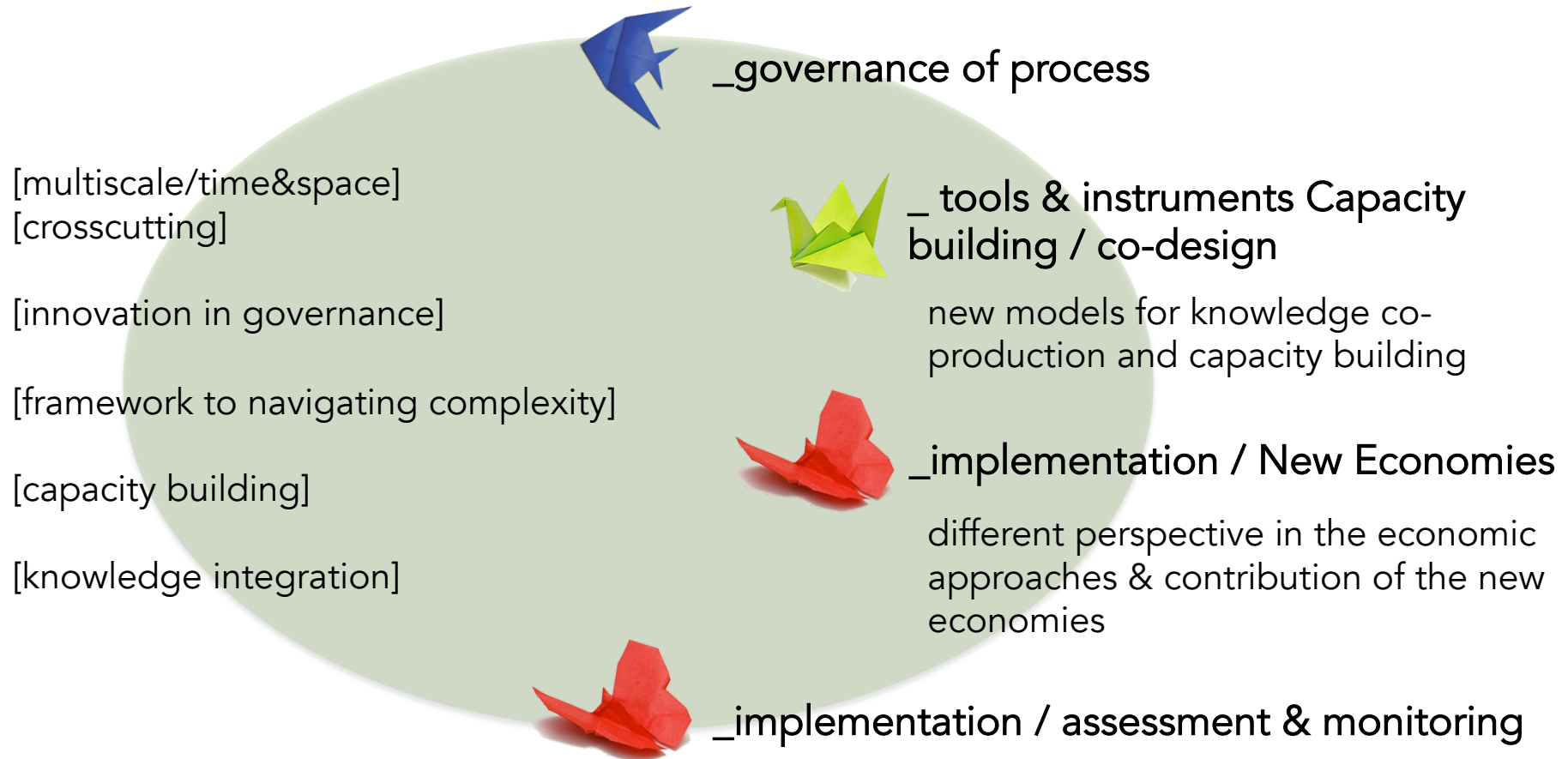
ON-LINE MAP
GEOLOCALISED +
PRESENTATION SHEET

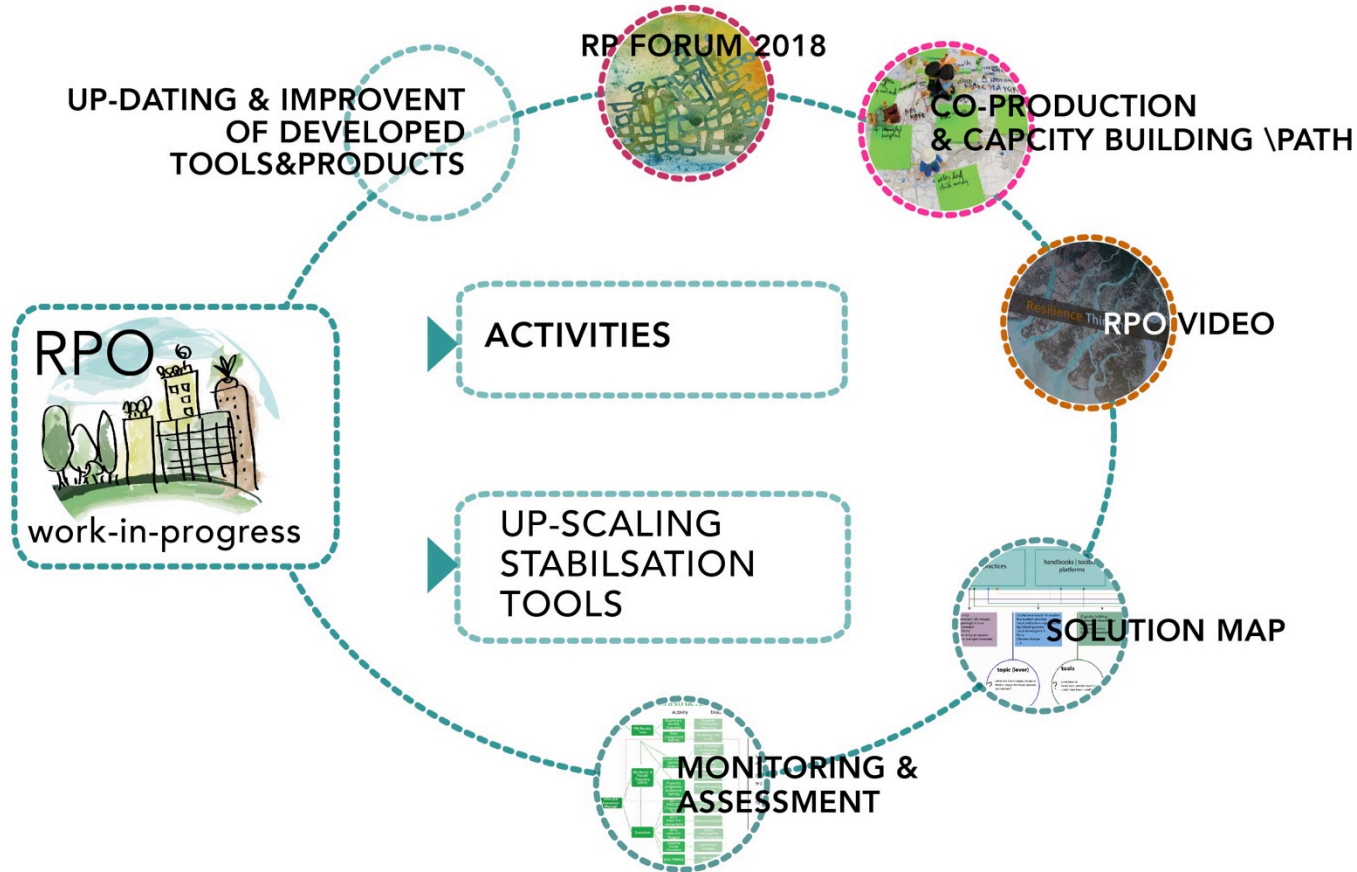
DISSEMINATION
SECTIONS
[RESILIENCE, FOUND
OPPORTUNITIES]

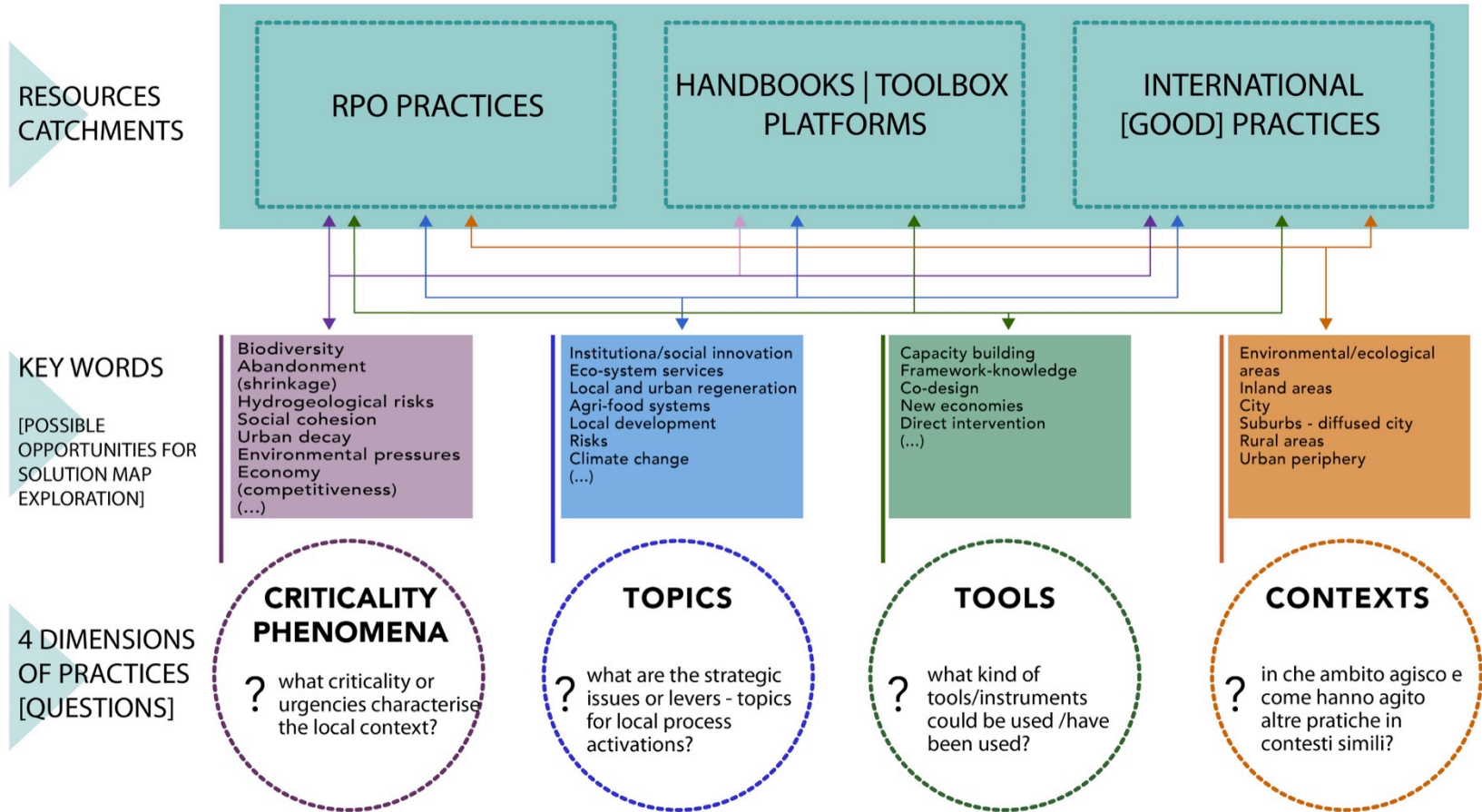
OPENDATA

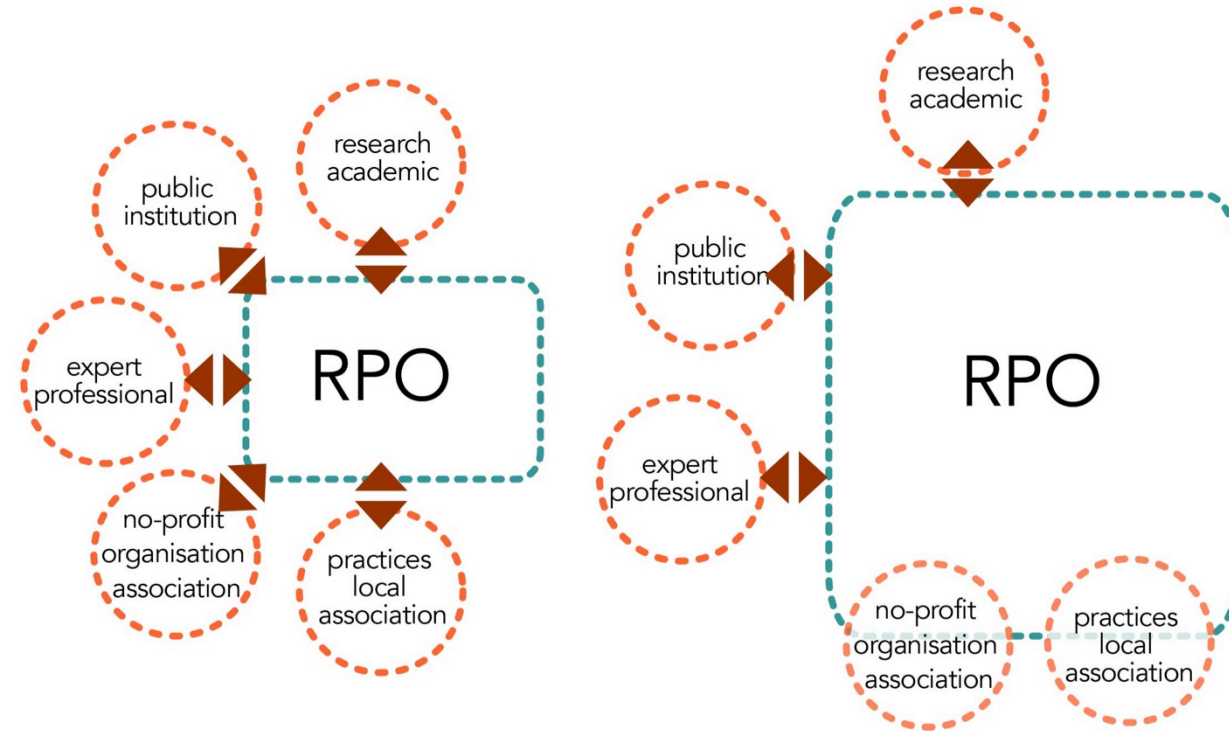
INTERACTIVE SECTION
[PROJECTS SEGNALAZIONE]

EVENTS & NEWS









networking
 organisation level
 promoting and
 supporting
 experiments and
 innovation / niche of
 innovations

RESILIENCE PRACTICES OBSERVATORY



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Emerging dynamics

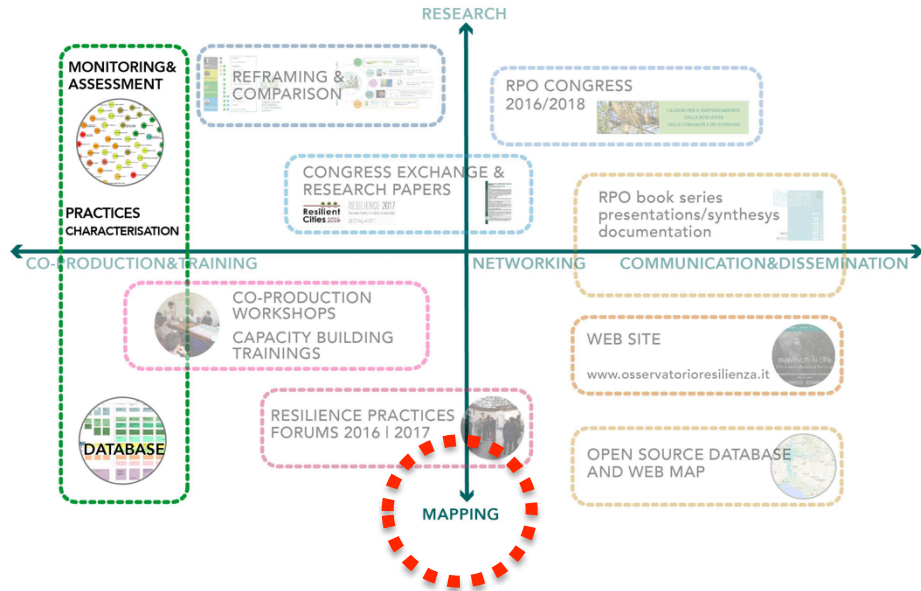
[contents]
Mapping practices
Emerging dynamics
Monitoring

[Stefano Cozzolino]

WHY MAPPING?

#knowledge

#networks



■ What are we producing?

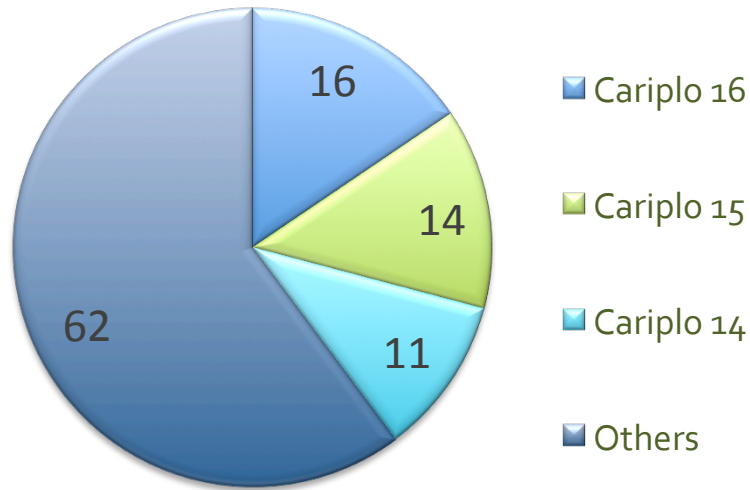
A users (practitioners, researchers, ...) oriented map, archive, a platform...

■ Aims:

- Enabling the creation of new networks among people sharing similar visions
- Finding/exploring new (interesting and innovative) practices
- Monitoring trajectories and trends from the field

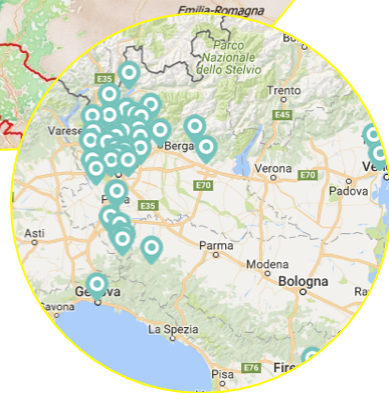
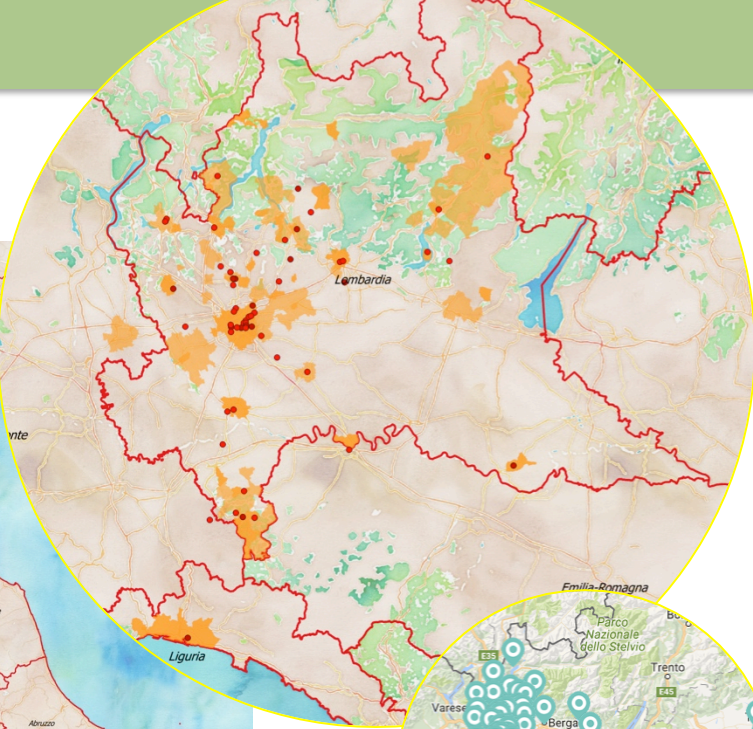
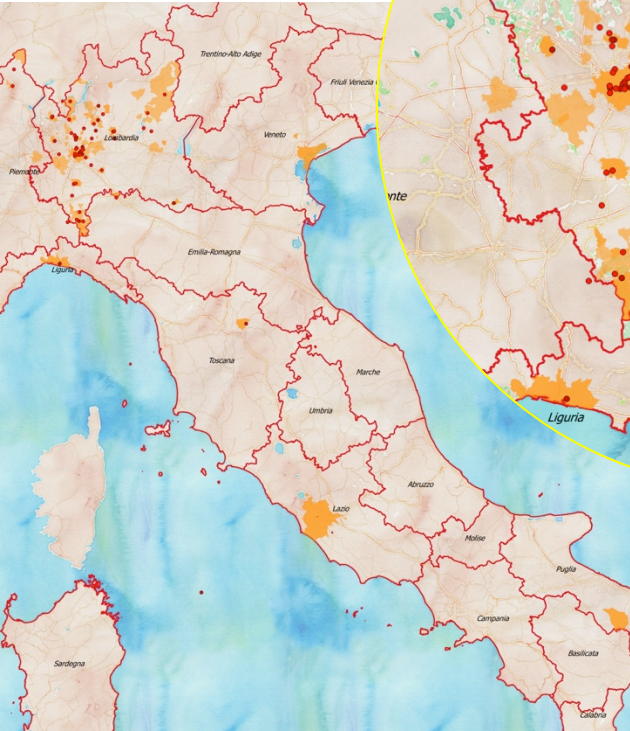
NUMBERS

103 practices [41
financed by
Fondazione Cariplo]



- How many practices are going to be mapped? This is an open process...lots of work can be done in the upcoming years!

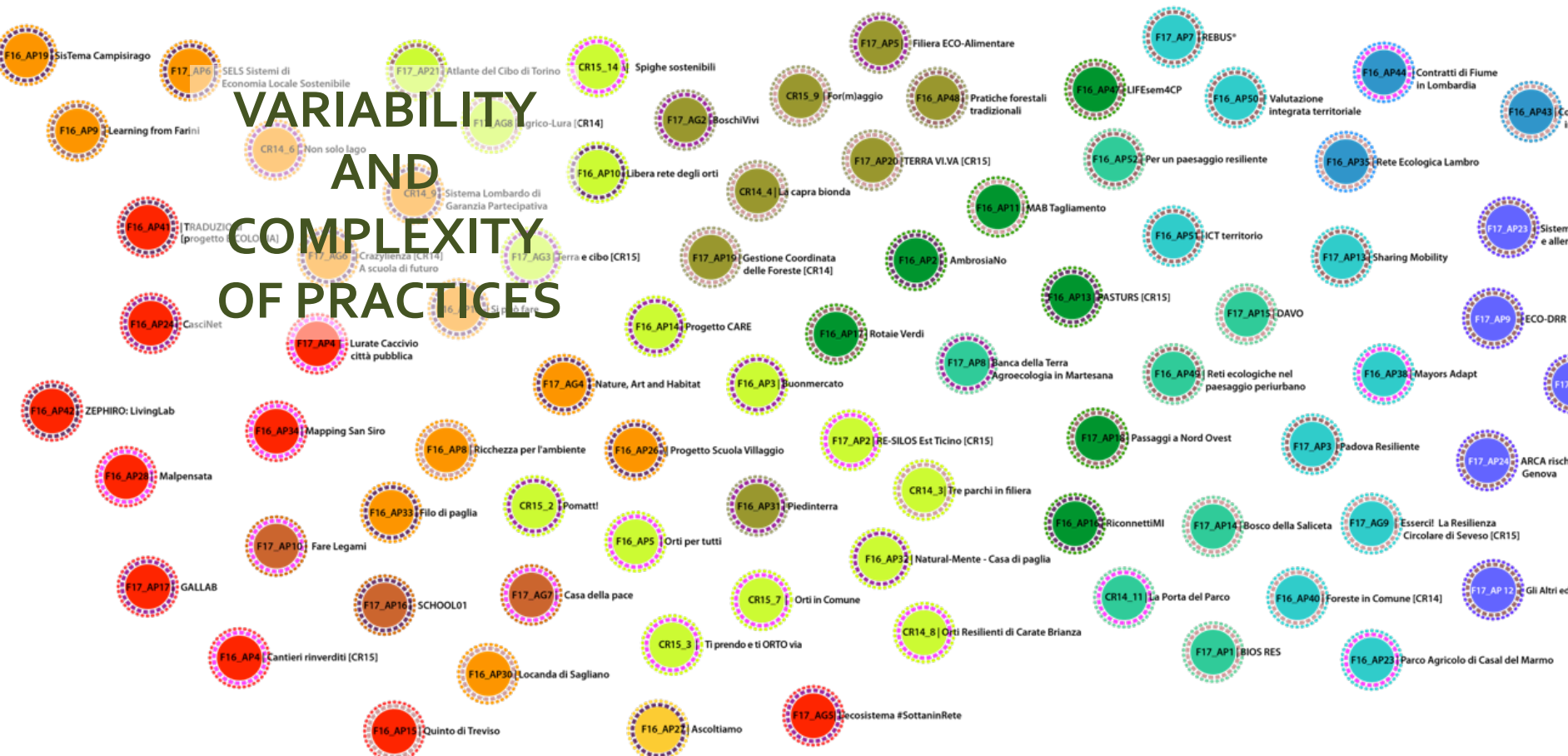




Region	Province	Practice Name	Year	Category	Impact	Source
Lombardia	Bergamo	Pratica 1	2015	Urban Planning	High	Local Government
Lombardia	Bergamo	Pratica 2	2016	Community Development	Medium	NGO
Lombardia	Bergamo	Pratica 3	2017	Environmental	Low	Academic
Lombardia	Bergamo	Pratica 4	2018	Social Services	High	Private Sector
Lombardia	Bergamo	Pratica 5	2019	Healthcare	Medium	Government
Lombardia	Bergamo	Pratica 6	2020	Economic	Low	Academic
Lombardia	Bergamo	Pratica 7	2021	Education	High	Local Government
Lombardia	Bergamo	Pratica 8	2022	Healthcare	Medium	NGO
Lombardia	Bergamo	Pratica 9	2023	Environmental	Low	Academic
Lombardia	Bergamo	Pratica 10	2024	Social Services	High	Private Sector

**WHERE DO
PRACTICES
COME FROM?**

VARIABILITY AND COMPLEXITY OF PRACTICES





[ACTORS AND POLICIES]

- Project leader
- Type of practice
- Governance
- Territorial scale and impact

These factors are useful to observe and comprehend trajectories of practices

[EXPLORATION ASPECTS]*

- Criticality
- Topics
- Tools
- Context

* Coordinated /
integrated with Solution
Map tool

[ACTORS AND POLICIES]



PROJECT LEADER



TYPE OF PRACTICE



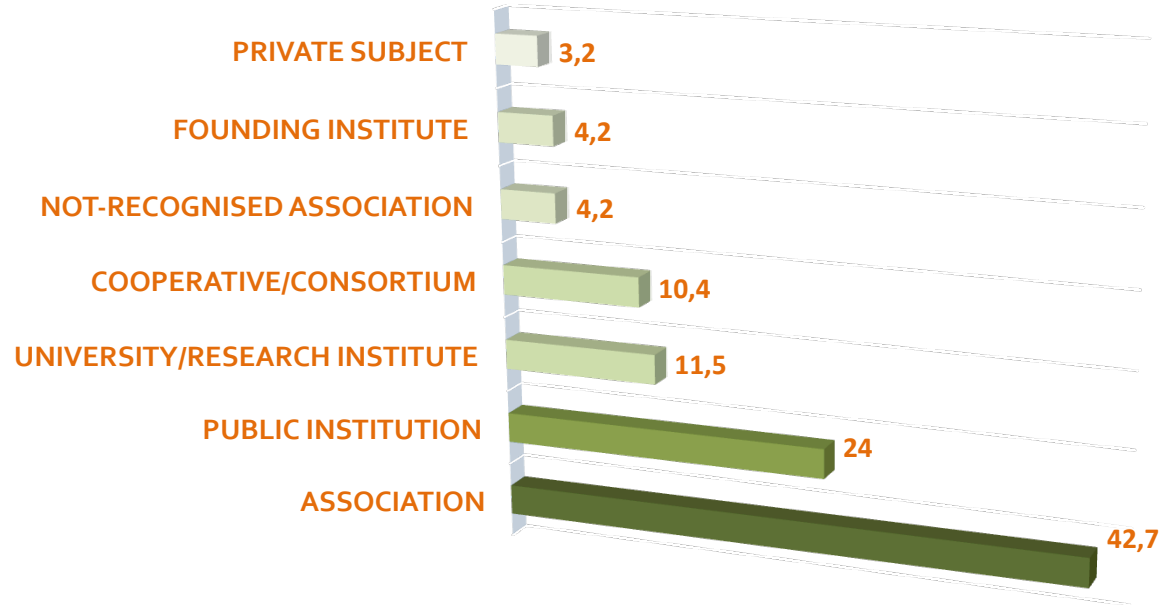
GOVERNANCE



TERRITORIAL SCALE
AND IMPACT

[ACTORS AND POLICIES]

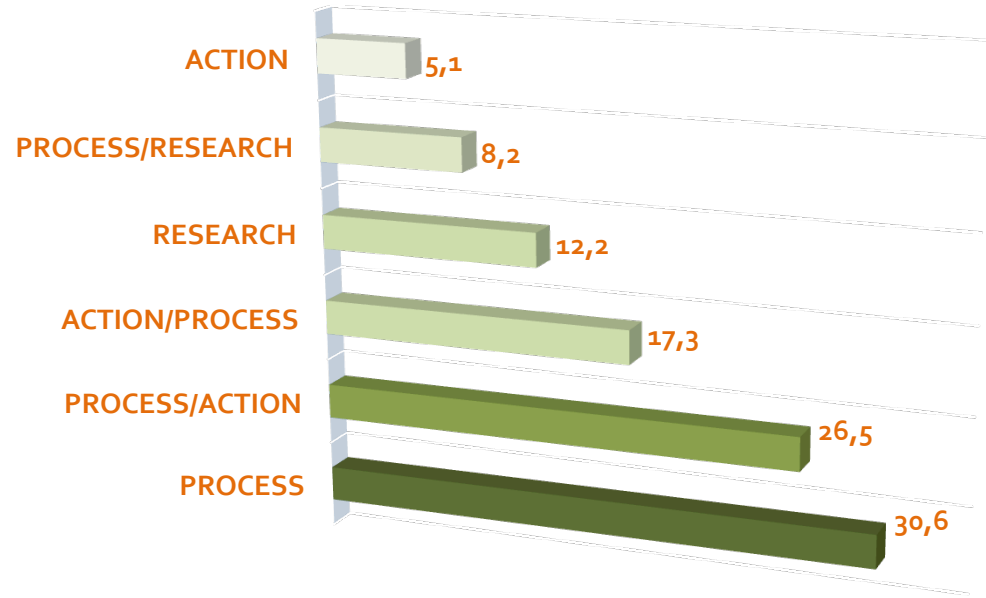
103 practices [41
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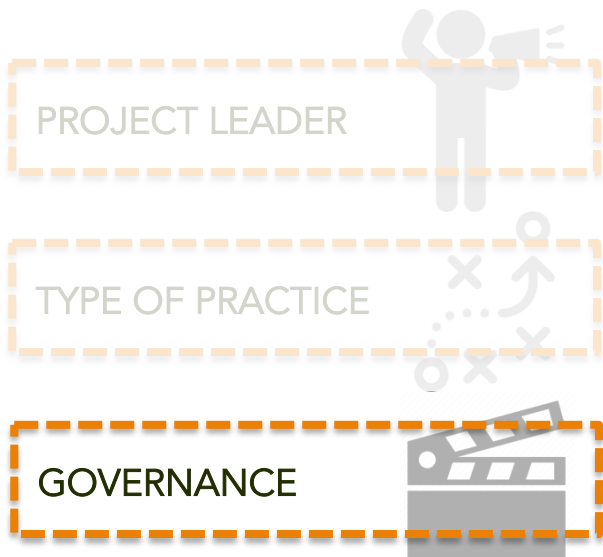


*Fondazione Cariplo has financed non-profit subjects and not-public institutions

[ACTORS AND POLICIES]

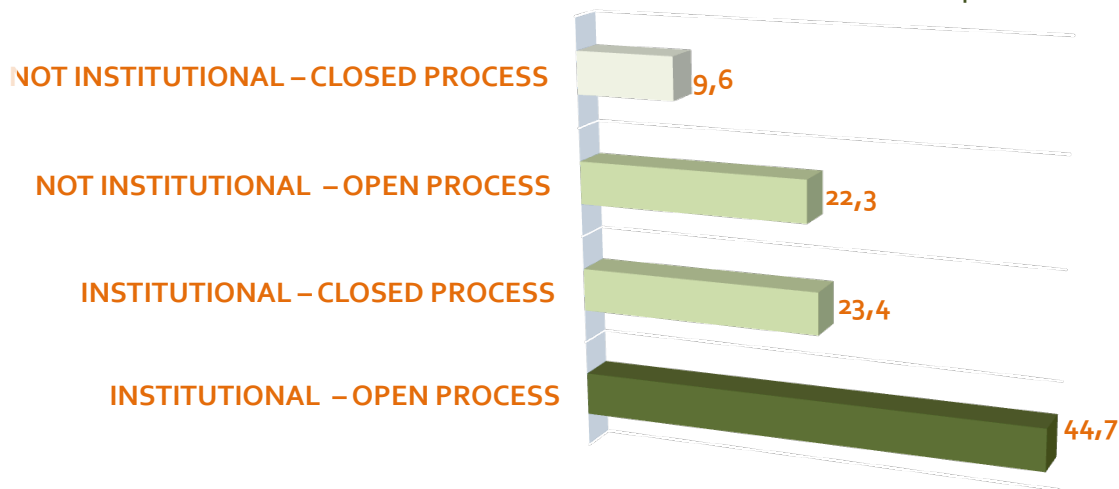
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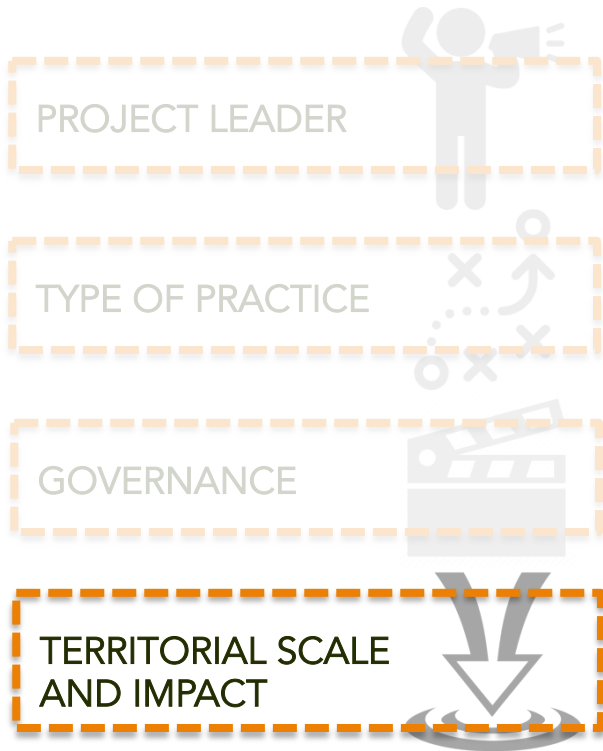




[ACTORS AND POLICIES]

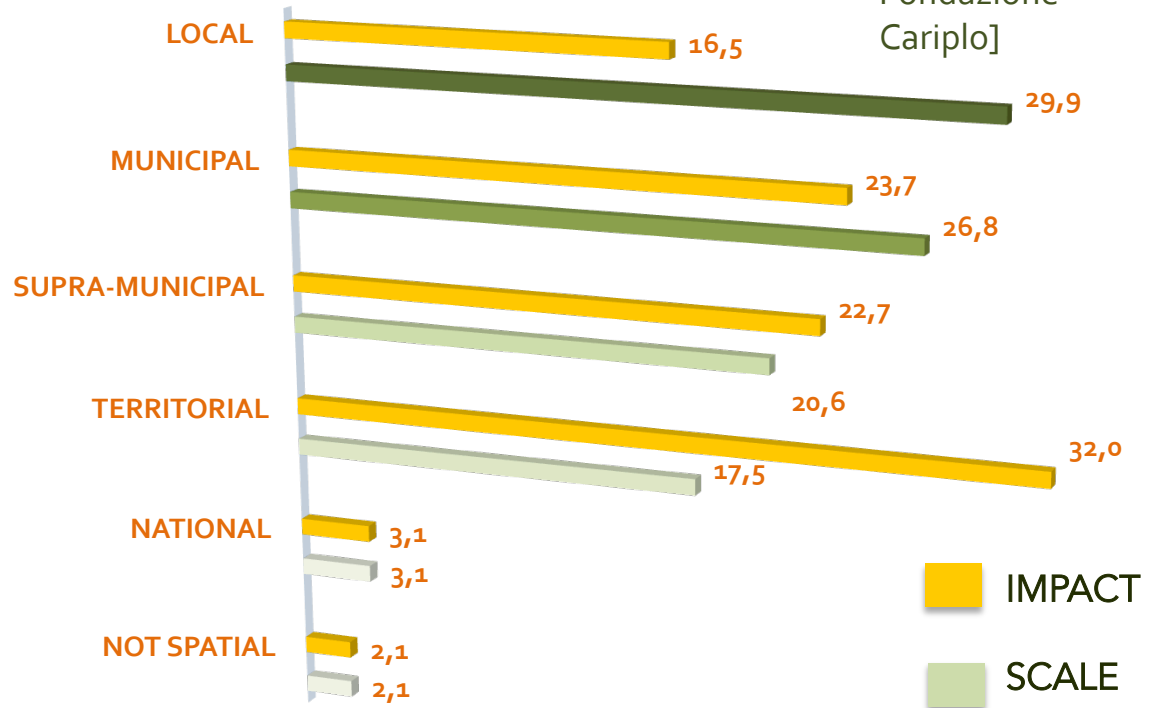
103 practices [41 financed by Fondazione Cariplo]





[ACTORS AND POLICIES]

103 practices [41 financed by Fondazione Cariplo]





[ACTORS AND TERRITORIES]

ASSOCIATION [42%] Public institution [24%]

University/Research institute [11,5%]

Cooperative/Consortium [10,4] ...

PROCESS [30,6%] Process/Action [26,5%] Action/

Process [17,3%] ...

INSTITUTIONAL – OPEN PROCESS [44,7%]

Institutional – closed process [23,4%] Not-

Institutional- open process [22,3%] ...

[Scale] **LOCAL [29,9%]** Municipal [23,7%] Supra-

municipal [20,6] ...

[Impact] **TERRITORIAL [32%]** Municipal [23,7%]

Supra-municipal [22,7%] ...

[EXPLORATION ASPECTS]



CRITICALITY



TOPICS

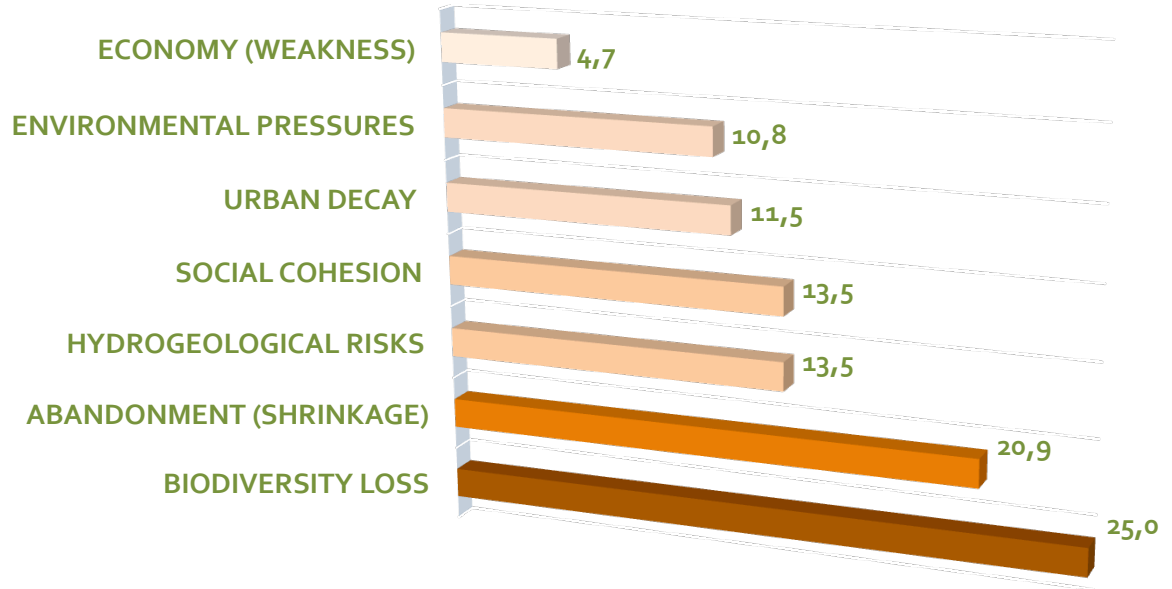


TOOLS

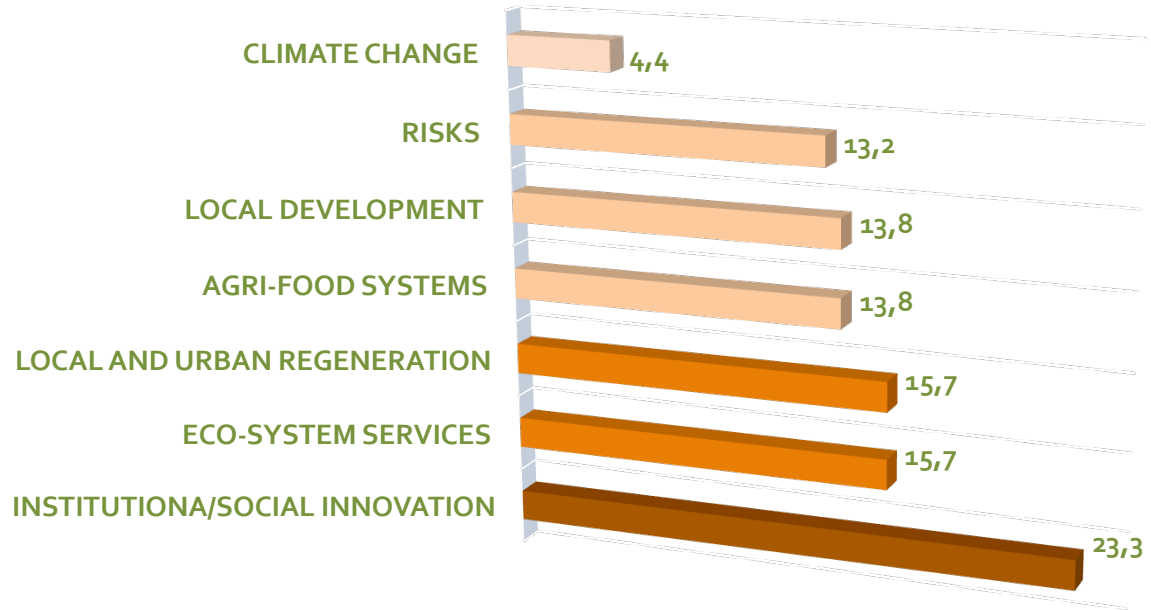
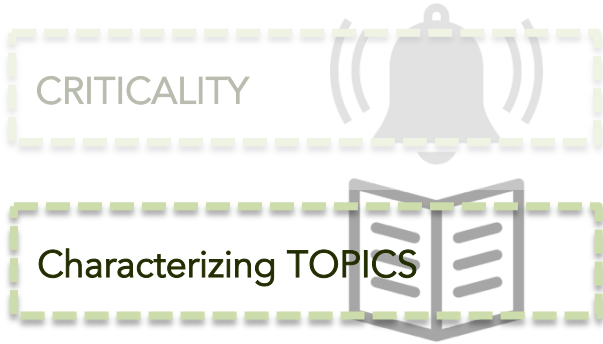


CONTEXT

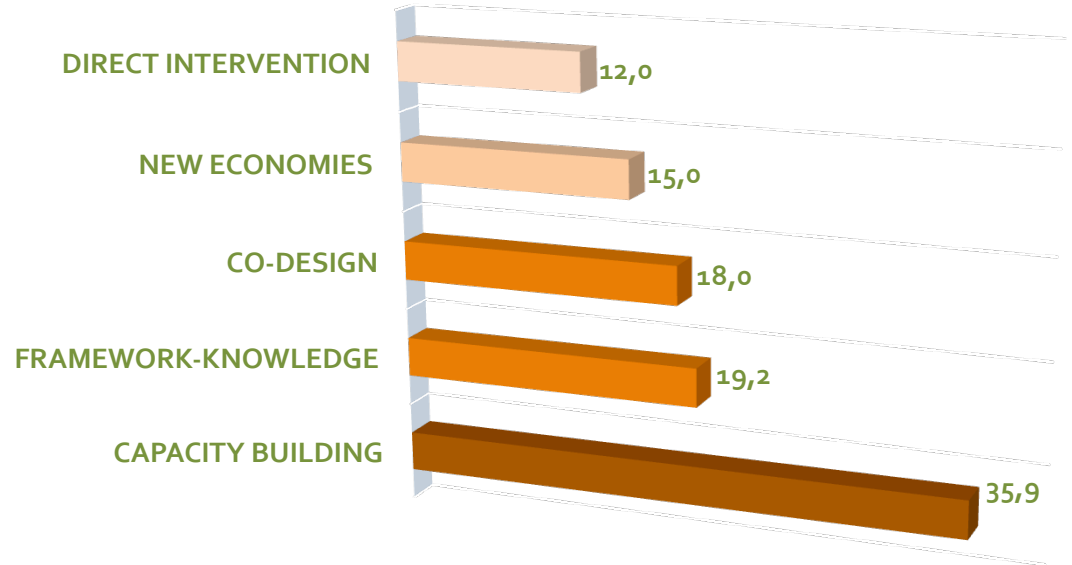
[EXPLORATION ASPECTS]



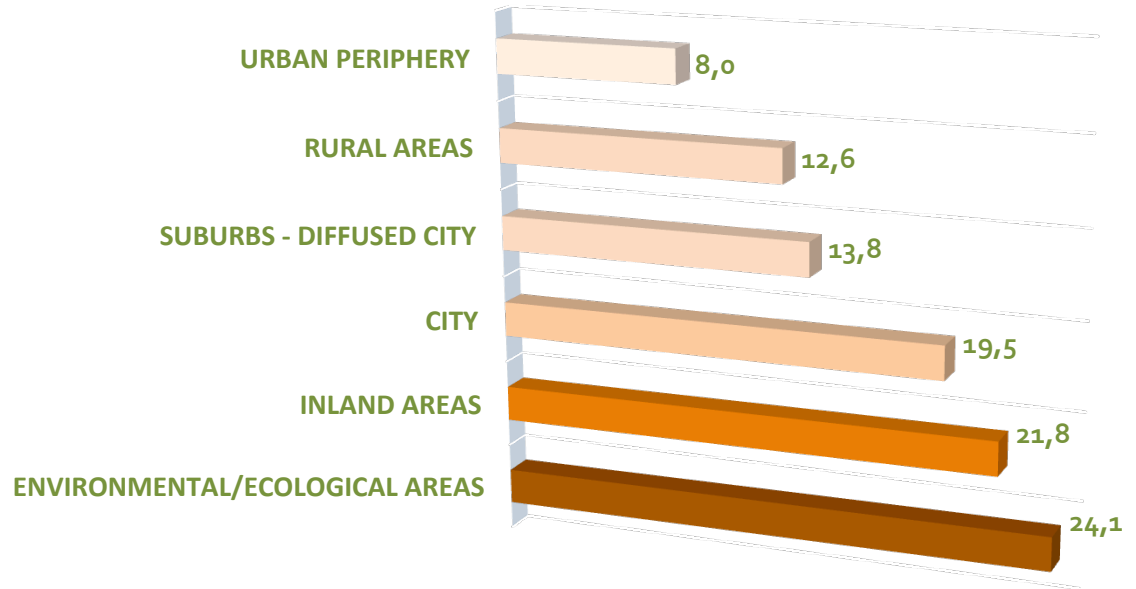
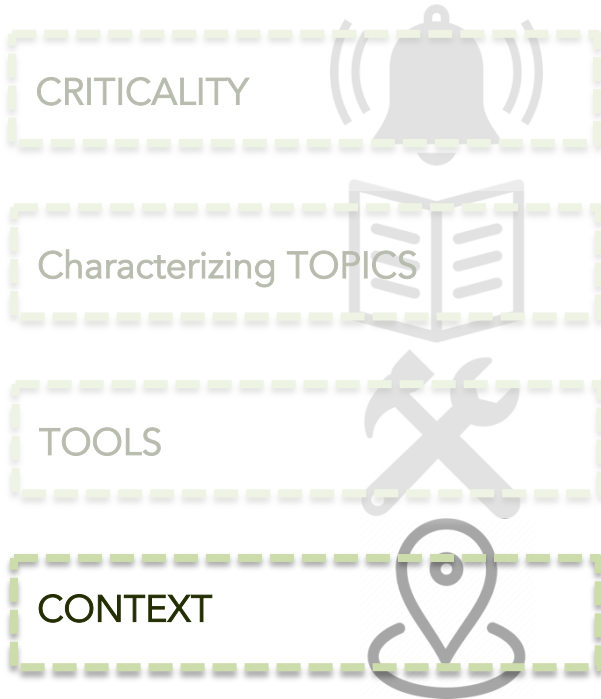
[EXPLORATION ASPECTS]



[EXPLORATION ASPECTS]



[EXPLORATION ASPECTS]





[EXPLORATION ASPECTS]

BIODIVERSITY LOSS [25%] Abandonment/
shrinkage [20,9%] Hydrogeological risks
[13,5%] Social cohesion [13,5]





SOCIAL/INSTITUTIONAL INNOVATION [23,3%]
Eco-system services [15,7%] Local and urban
regeneration [15,7%] Agri-food system [13,8%]

CAPACITY-BUILDING [35,9%]

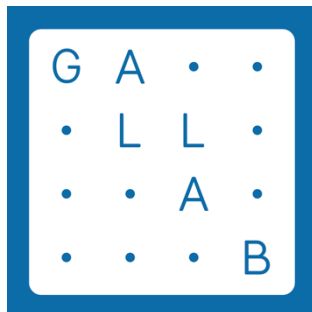
Framework-knowledge [19,2%] Co-design
[18%]

ENVIRONMENTAL-ECOLOGICAL AREAS
[24,1%] Inland areas [21,8%] City [19,5] ...

[EXPLORATION ASPECTS AND EXEMPLIFICATION]

CRITICALITY 	TOPICS 	TOOLS 	CONTEXT 
<p>Biodiversity loss Abandonment (shrinkage) Hydrogeological risks Social cohesion Urban decay Environmental pressures Economy (weakness)</p>	<p>Institutiona/social innovation Eco-system services Local and urban regeneration Agri-food systems Local development Risks Climate change</p>	<p>Capacity building Framework-knowledge Co-design New economies Direct intervention</p>	<p>Environmental/ecological areas Inland areas City Suburbs - diffused city Rural areas Urban periphery</p>

[EXPLORATION ASPECTS AND EXEMPLIFICATION]



Il progetto mira a sperimentare nuove forme di socialità intergenerazionale e arricchire/migliorare gli spazi aggregativi del quartiere Gallaratese di Milano. Si intende trasformare la percezione il contesto in un luogo di aggregazione, appartenenza e comunità...

CRITICALITY	TOPICS	TOOLS	CONTEXT
Social cohesion Urban decay	Local and urban regeneration Social innovation	New economies Co-design	Urban periphery

Area terrazzata del Comune di Viganella, Provincia del Verbano-Cusio-Ossola

[EXPLORATION ASPECTS AND EXEMPLIFICATION]



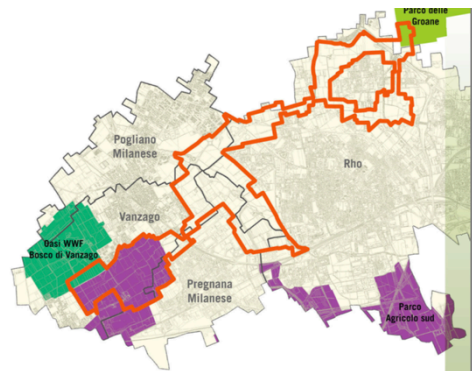
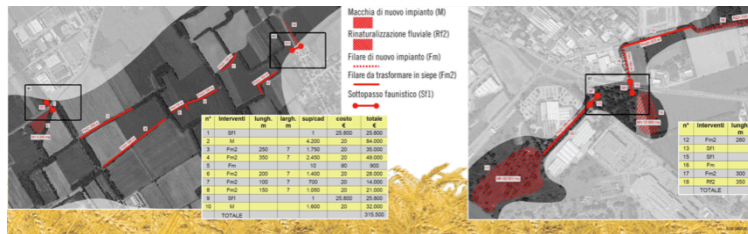
.... si propone il recupero funzionale di una parte del sistema terrazzato della valle Antrona, Comune di Viganella - VB, attraverso il coinvolgimento della comunità locale e dei portatori di interesse al fine di contrastare i molteplici fattori di rischio che l'attuale dinamica di abbandono sta evidenziando in modo sempre più consistente.

<p>CRITICALITY</p> 	<p>TOPICS</p> 	<p>TOOLS</p> 	<p>CONTEXT</p> 
<p>Abandonment (shrinkage) Biodiversity</p>	<p>Local development Risks</p>	<p>Direct intervention Capacity-building</p>	<p>Inland areas</p>

Area del Basso Olona Rhodense,
Pogliano Milanese | Pregnana
Milanese | Rho | Vanzago

[EXPLORATION ASPECTS AND EXEMPLIFICATION]

PASSAGGI A NORD-OVEST CONNESSIONE ECOLOGICA DAL BOSCO DI VANZAGO AL PARCO DELLE GROANE



.... L'obiettivo generale del progetto riguarda la promozione di iniziative progettuali in grado di tutelare le aree agricole residue e la creazione di una connessione funzionale tra ambiti mediante l'individuazione e la localizzazione puntuale degli interventi necessari a mantenere o ripristinare la connessione ecologica.

CRITICALITY	TOPICS	TOOLS	CONTEXT
Environmental pressures Biodiversity loss	Eco-system services Institutional innovation	Co-design	Environmental/ecological areas

[EXPLORATION ASPECTS AND EXEMPLIFICATION]







Prodotti in Primo Piano

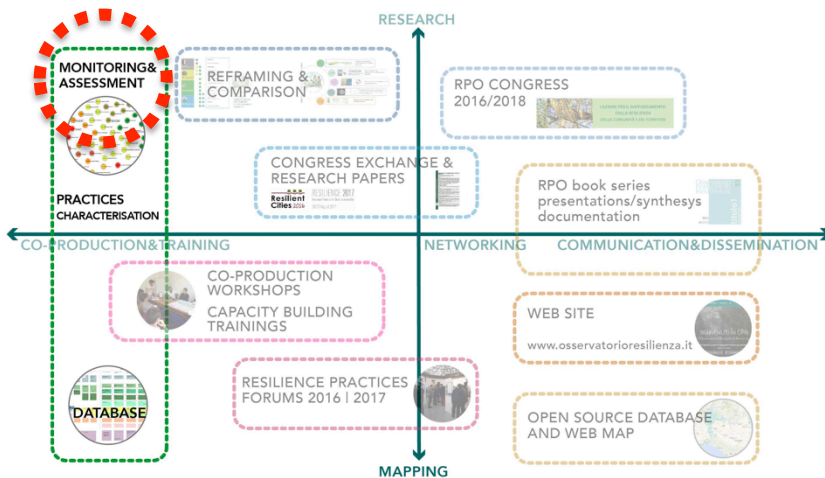
<p>FALANGHINA "Selva Lacandona" - il vino anticamorra € 6,00</p> 	<p>Noci sfuse - 1 kg € 7,10</p>  <p>Quantità: 1 <input type="text"/></p> <p><input type="button" value="Aggiungi"/></p>	<p>Miele Milano (Parco delle Cave) - 250 g € 8,00</p>  <p>Quantità: 1 <input type="text"/></p> <p><input type="button" value="Aggiungi"/></p>
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.... Il progetto integra i servizi (logistici fisici e informatici) atti a ospitare gli scambi fra consumatori e produttori locali (ambito di riferimento principale è il Parco Sud Milano) e iniziative formative/ sensibilizzazione. Il portale di e-commerce permette sia di supportare gli scambi delle merci che le informazioni sulle attività

<p>CRITICALITY</p> 	<p>TOPICS</p> 	<p>TOOLS</p> 	<p>CONTEXT</p> 
<p>Economy Social cohesion</p>	<p>Agri-food systems Local development</p>	<p>New Economies Capacity-building</p>	<p>City</p>

WHY monitoring?



- What are we producing?

A procedure, methods for process practices evaluation and monitoring (CARIPL0, ORP, practitioners, researchers, ...) oriented

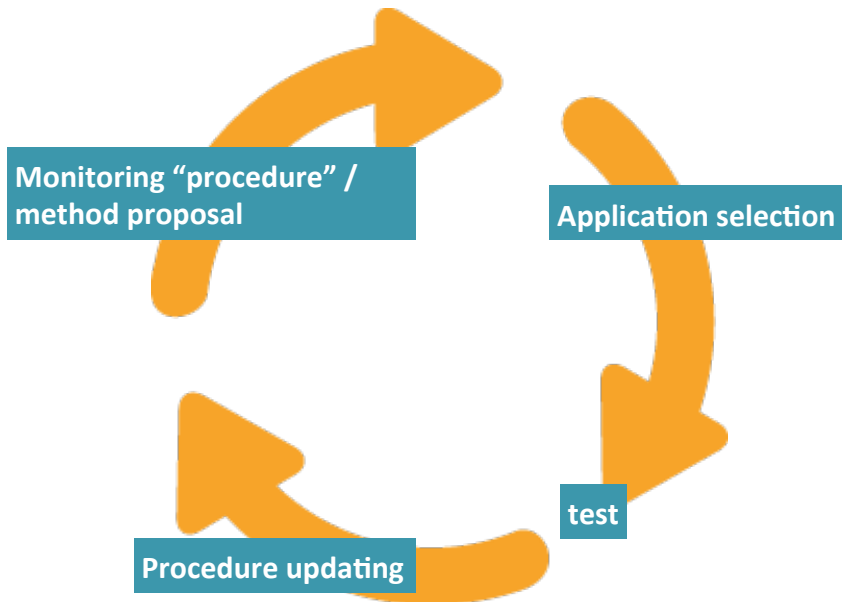
> Tool for practices monitoring



- How this should be useful?

- Ri-orienting / realign the process
- Recognise, identify reasons of barriers in process implementation
- Improve quality of practice (complexity, inclusiveness, ...)
- Understand benefit to local and global system

For whom?



- Cariplo

Grants effectiveness

- RPO

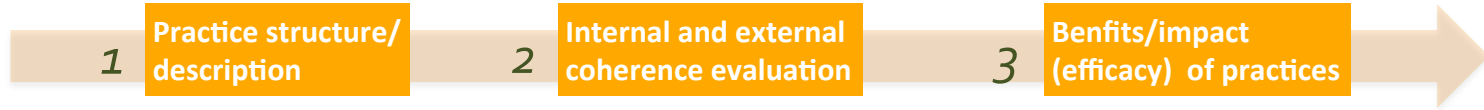
Evaluation of panorama/trajectories

- Practitioners

Tool for self-assessment & self-monitoring

What has been done so far?

- Experimental evaluation methods



- (3) Test: monitoring of selected grants



- Procedure updating

