



Faculty of Design

2016

Systemic design & policy making: The case Of retrace project

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**POLITECNICO
DI TORINO**

Dipartimento di
Architettura e Design

SYSTEMIC DESIGN AND POLICY MAKING

The case of RETRACE project

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#RETRACE

#InterregEurope

@interregeurope

OCAD University - Toronto, Canada

Relating Systems Thinking and Design (RSD5) Symposium - October 13-15, 2016

/ Outline

/ Framework

/ Methodology

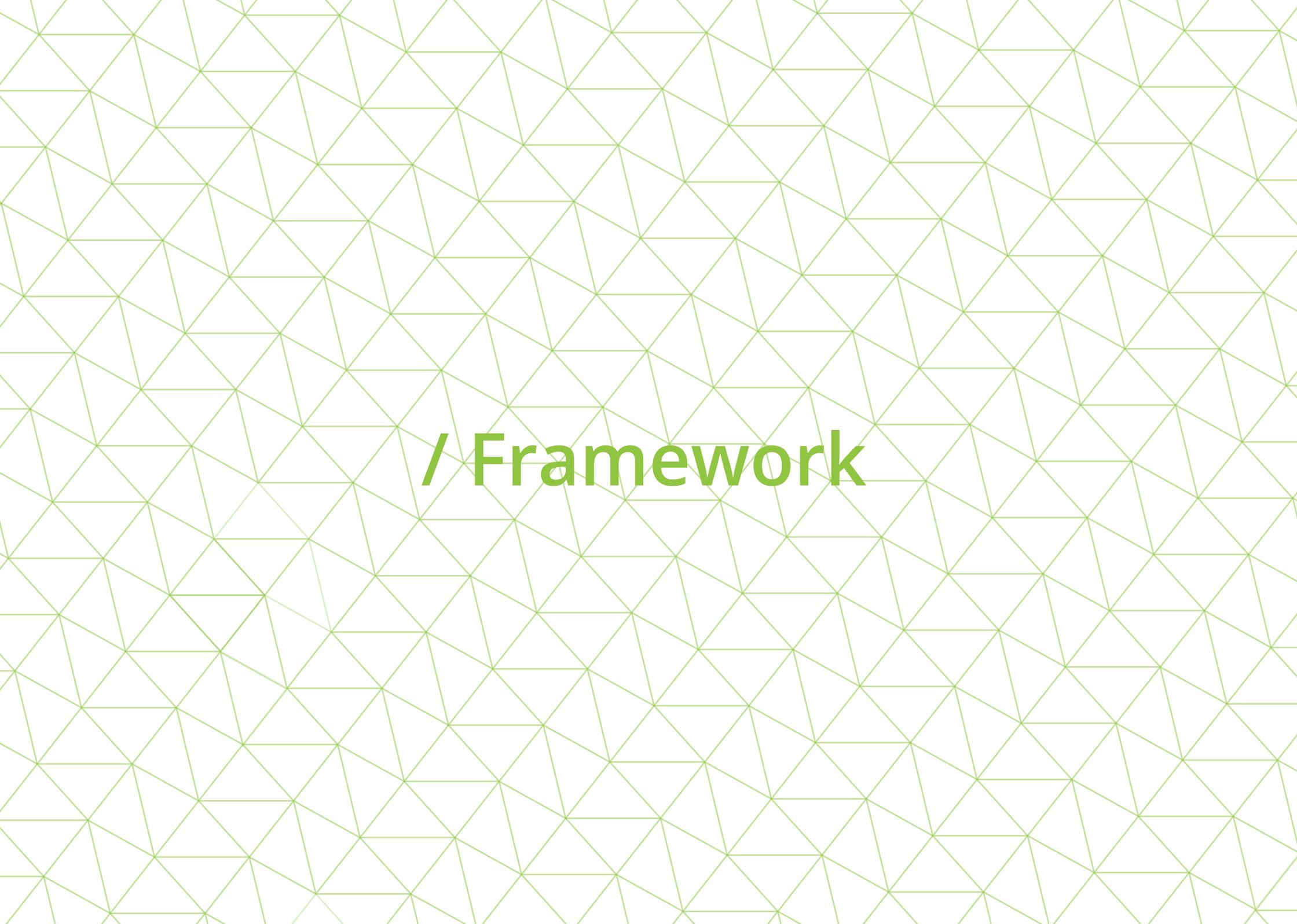
/ RETRACE project

// project description

// expected results

// first achievements

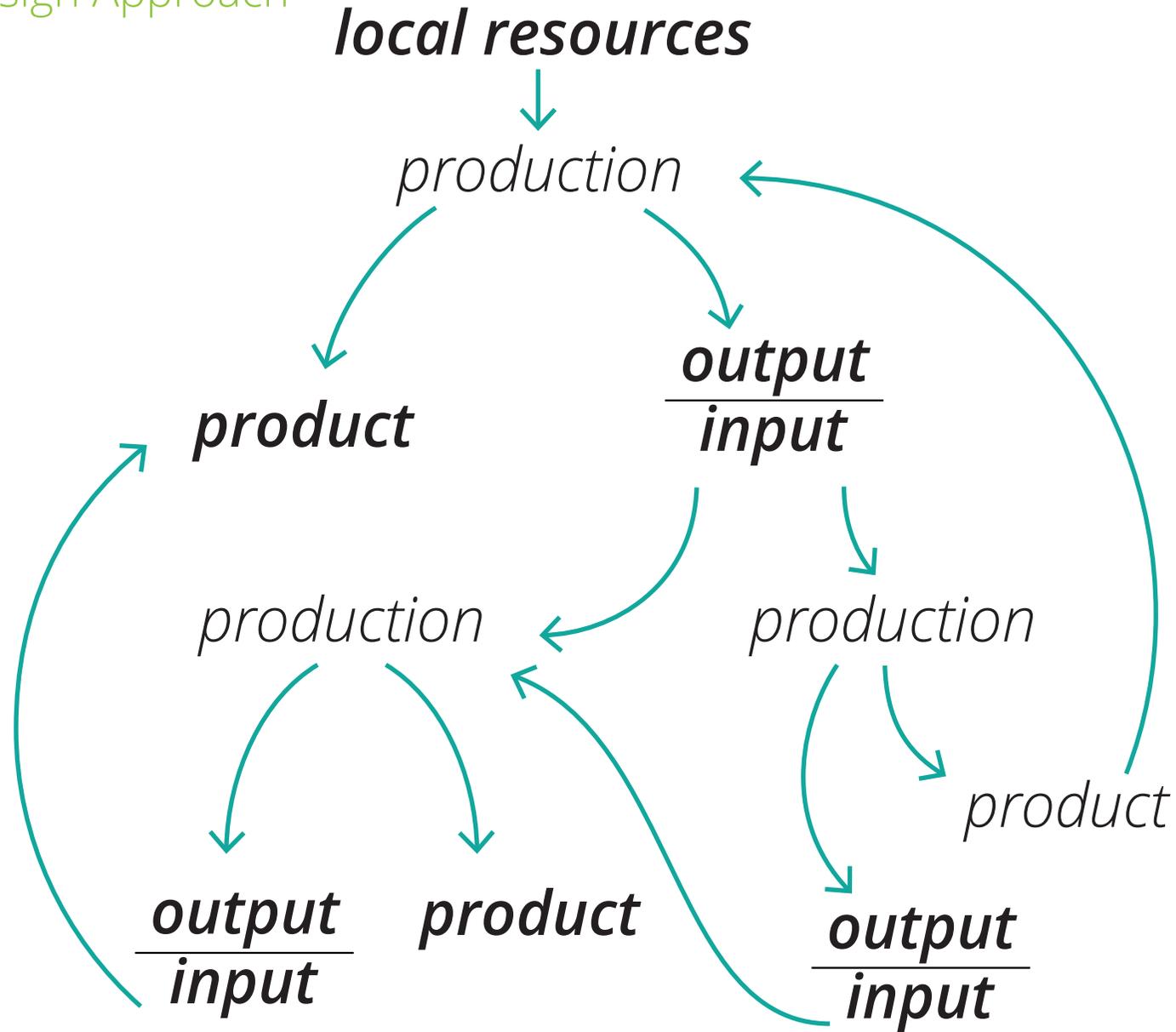
/ Conclusion



/ Framework

/ Framework

Systemic Design Approach



/ Framework

Systemic Design Approach



output > input

The outputs (wastes) of a system become the inputs (resources) of another one.



relationships

The relationships developed within the system generate the open system itself.



autopoiesis

The autopoietic open systems are self-supported and reproduced, and they evolve together.



act locally

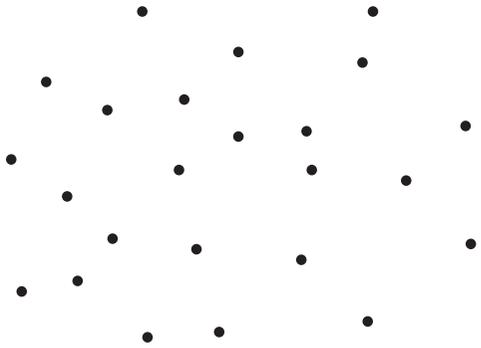
The operational context is prioritised.



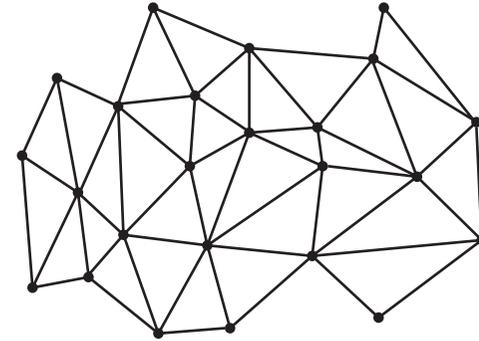
man at the center

The relationship between man and context is the heart of the project.

/ Framework



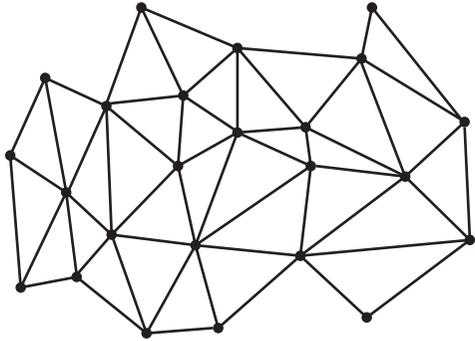
complex problems



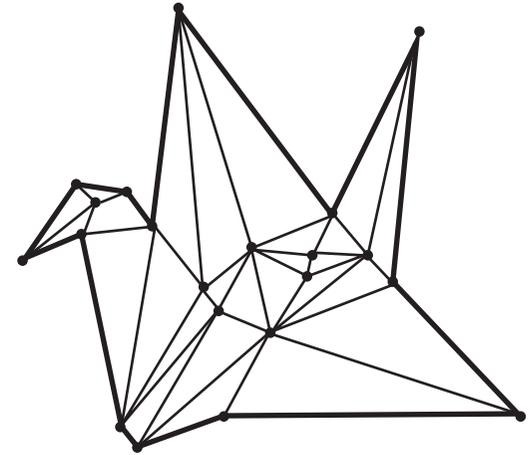
project

Systemic Design Approach

/ Framework



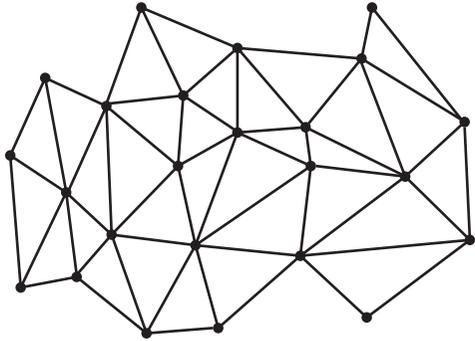
project



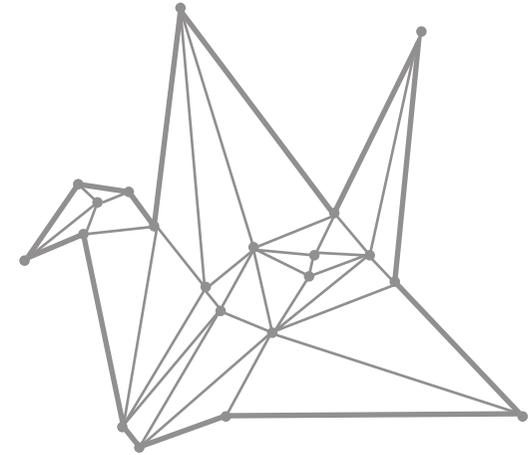
implementation

Systemic Design Approach

/ Framework



project

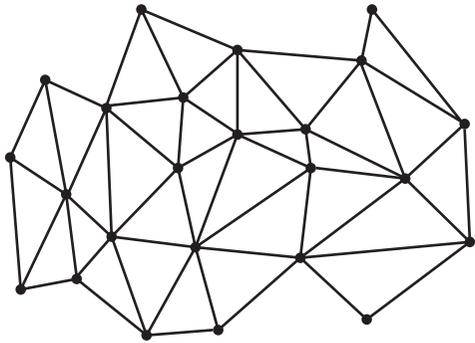


implementation

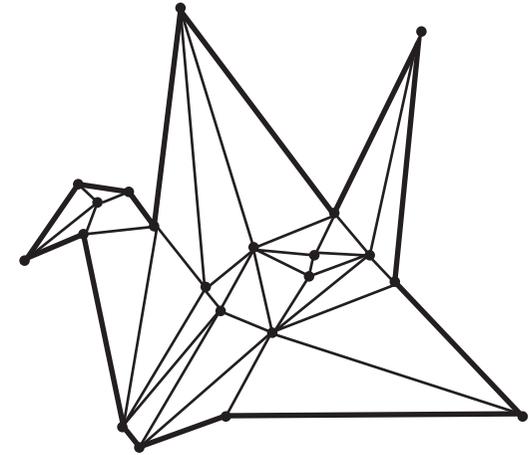
legislative barrier

Systemic Design Approach

/ Framework



project

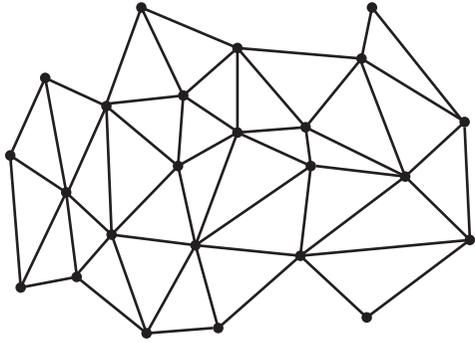


implementation

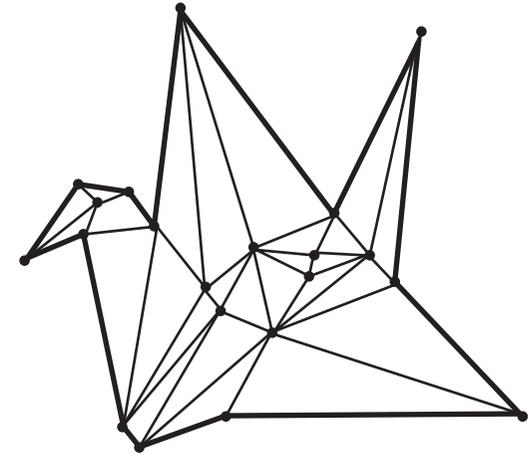
RETRACE project

Acts at the policy-making level to promote the development of projects related to Systemic Approach and Circular Economy

/ Framework



project



implementation

RETRACE project

Based on the Systemic Design Approach to design complex systems and foster their implementation



/ Methodology

/ Methodology



/ Methodology



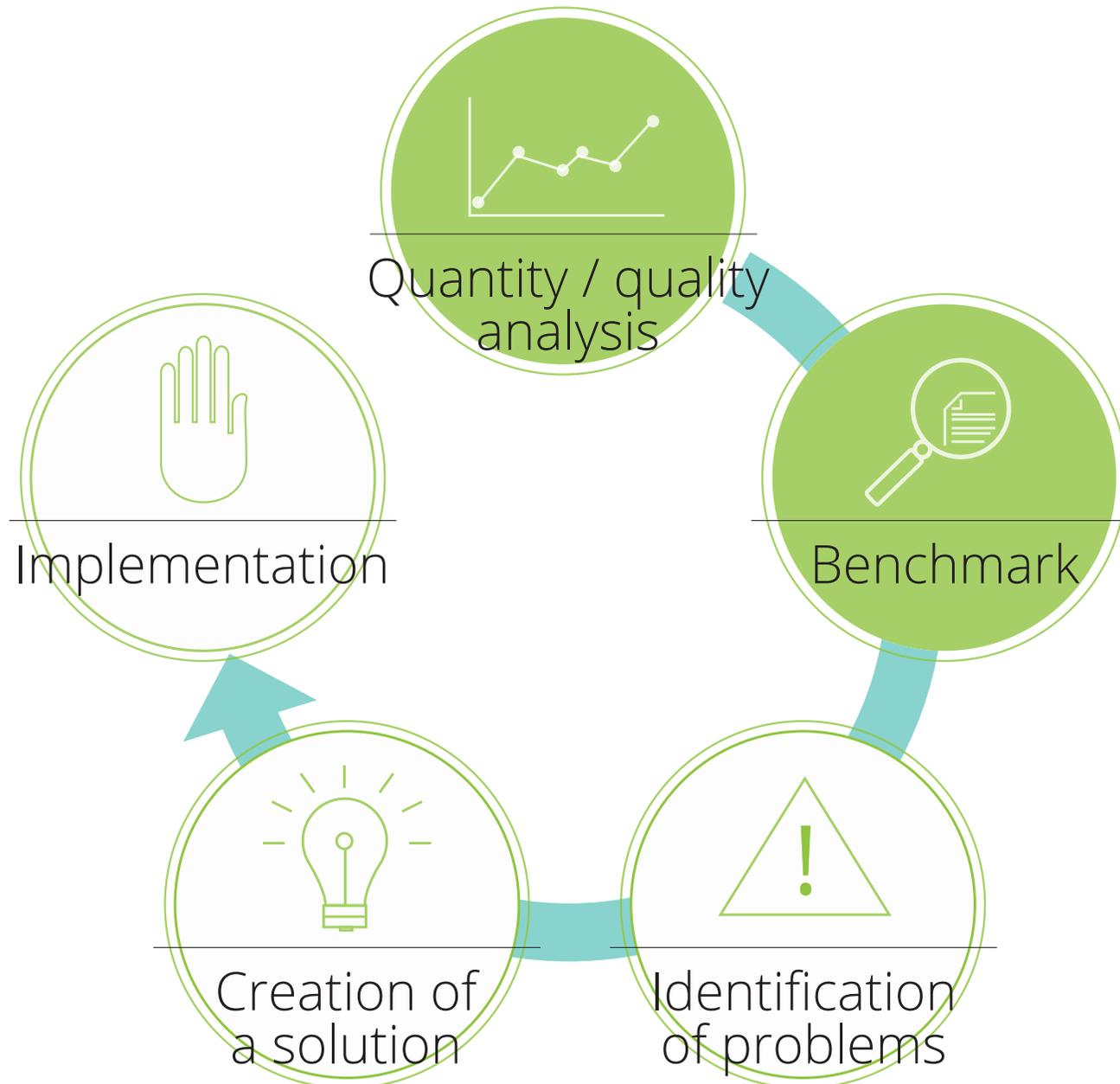
/ Methodology

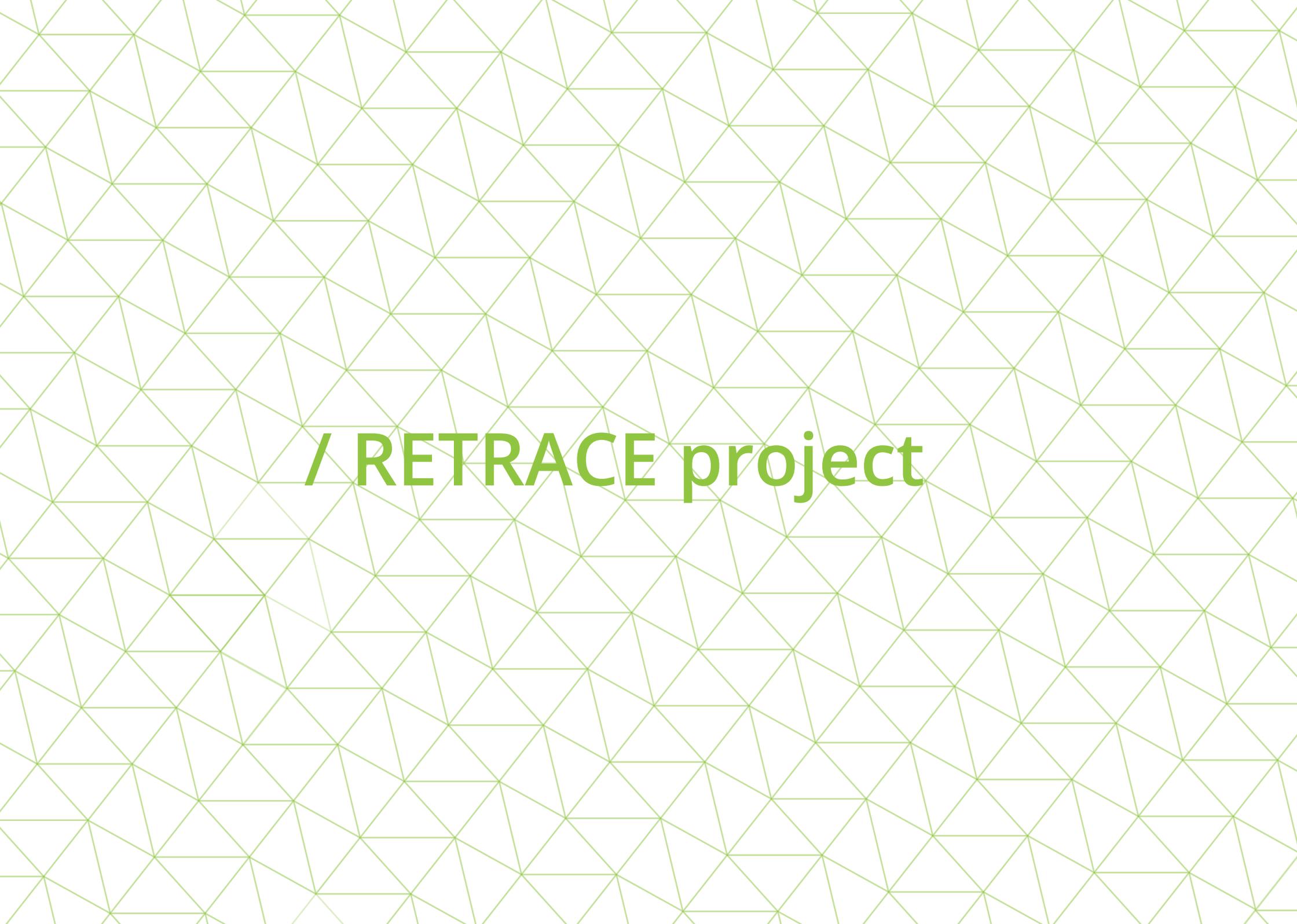


/ Methodology



/ Methodology





/ RETRACE project

/ RETRACE

/ Financed under the **Interreg Europe Call 1**

*EU programme that helps regional and local governments across Europe to **develop and deliver better policy***



European Union
European Regional
Development Fund



/ RETRACE

/ Financed under the Interreg Europe Call 1

*EU programme that helps regional and local governments across Europe to **develop and deliver better policy***



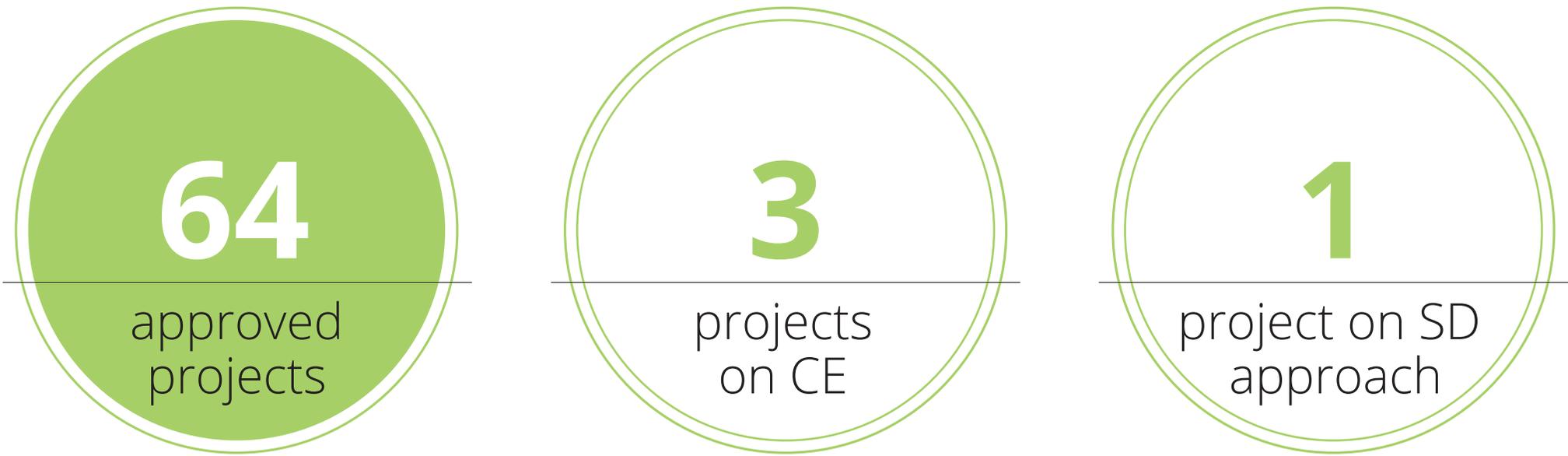
261

submitted
projects

/ RETRACE

/ Financed under the **Interreg Europe Call 1**

*EU programme that helps regional and local governments across Europe to **develop and deliver better policy***



64

approved
projects

3

projects
on CE

1

project on SD
approach

/ RETRACE / outline

/ RETRACE - A Systemic Approach for REgions

TRAnstitioning towards a Circular Economy

/ RETRACE / outline

/ RETRACE - A Systemic Approach for REgions
TRAnstitioning towards a Circular Economy

/ objective

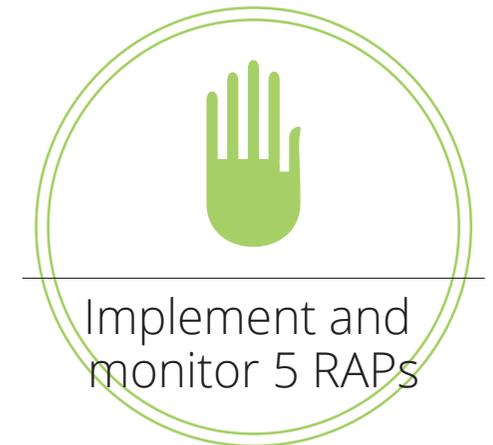
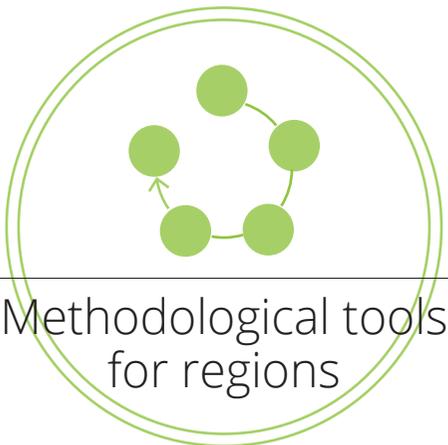
*RETRACE promotes **Systemic Design** as a method allowing **local and regional policies** move towards a **Circular Economy** when **waste from one productive process becomes input in another**, preventing waste being released into the environment*

/ RETRACE / outline

/ RETRACE - A Systemic Approach for REgions
TRAnstitioning towards a Circular Economy

/ objective

*RETRACE promotes **Systemic Design** as a method allowing **local and regional policies** move towards a **Circular Economy** when **waste from one productive process becomes input in another**, preventing waste being released into the environment*



/ RETRACE / partners



Activities

/ Select Good Practices
/ Organize Field Visits
/ Produce Holistic Diagnosis

/ Define RAPs
/ Organize Dissemination Events
/ Involve national stakeholders

/ RETRACE / partners



Activities

/ Participate in 1 Field Visit
/ Cooperate in defining HD and GP
/ Cooperate in defining RAPs

/ Cooperate during implementation
/ Participate to SG Meetings
Participate to Dissemination Events

/ RETRACE / partners



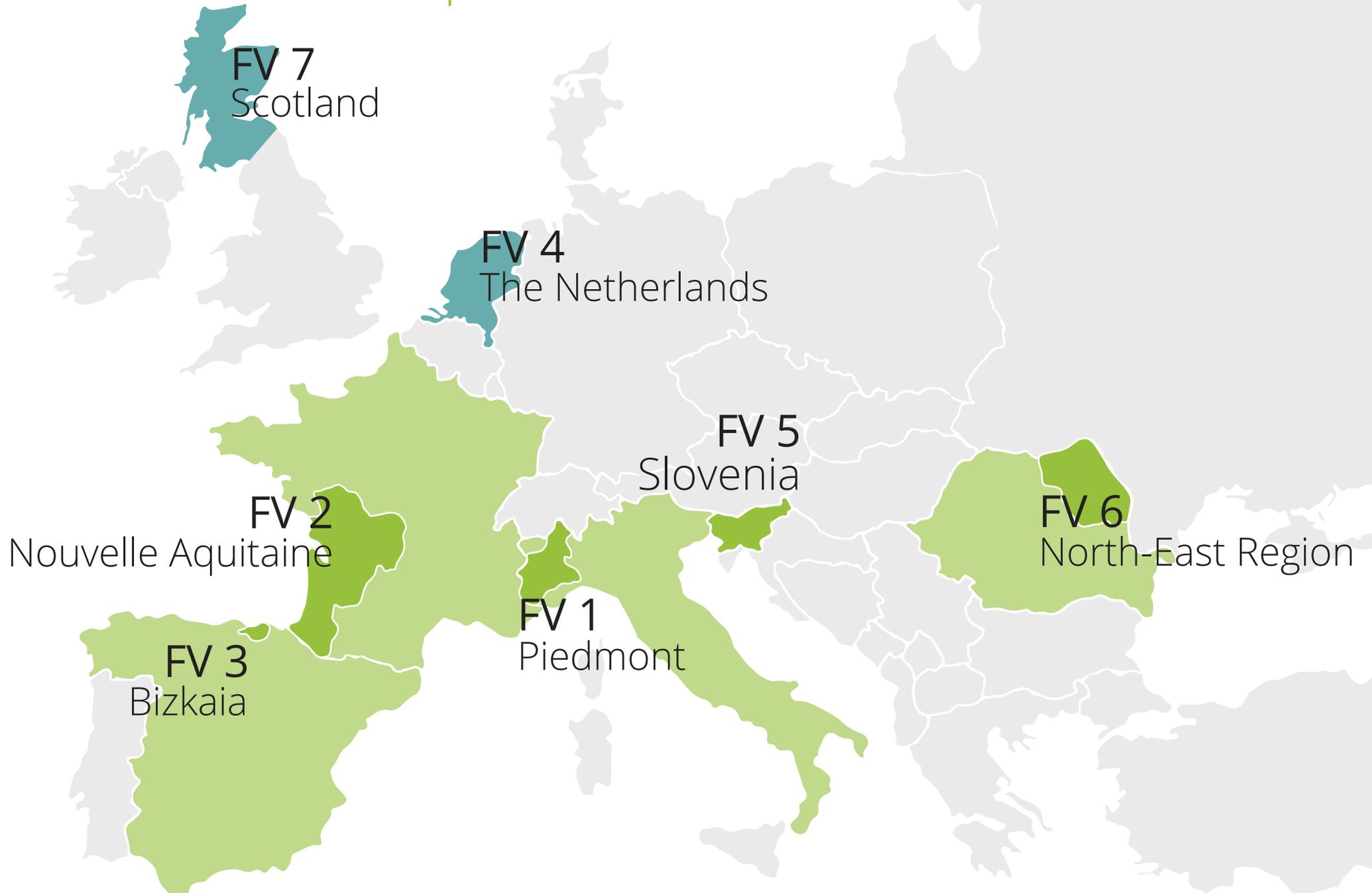
Activities

/ Definition and implementation of Regional Action Plans

/ RETRACE / partners



/ RETRACE / partners



/ RETRACE / timeline

	2016		2017		2018 - 2020		
Semester	1	2	3	4	5-6-7-8		
Field visits	■	■	■	■	■	■	
Holistic Diagnosis	■						
Regional Action Plans					■		
Implementation							■

/ RETRACE / timeline

	2016		2017			2018 - 2020	
Semester	1	2	3	4	5-6-7-8		
Field visits	■	■	■	■	■	■	
Holistic Diagnosis	■						
Regional Action Plans				■			
Implementation						■	



Phase 1

April 2016 - March 2018

/ Holistic Diagnosis to identify Policy Gaps

/ Field Visits to exchange GPs on ways to bridge policy gaps

/ RETRACE / timeline

	2016		2017			2018 - 2020	
Semester	1	2	3	4	5-6-7-8		
Field visits	■	■	■	■	■	■	
Holistic Diagnosis	■						
Regional Action Plans				■			
Implementation						■	

Phase 2

April 2018 - March 2020

/ Implementation of Regional Action Plans

/ Monitoring of results

/ RETRACE / expected results

7

Field Visits

30

Good Practices

5

Holistic
Diagnosis

5

Regional
Action Plans

/ RETRACE / expected results

7

Field Visits

30

Good Practices

5

Holistic
Diagnosis

5

Regional
Action Plans

10

Regional
Dissemination
Events

2

Interregional
Dissemination
Events

3

Publications

/ RETRACE / first achievements

2

Field Visits

12

Good Practices

5

Holistic
Diagnosis

5

Regional
Action Plans

5

Regional
Dissemination
Events

2

Interregional
Dissemination
Events

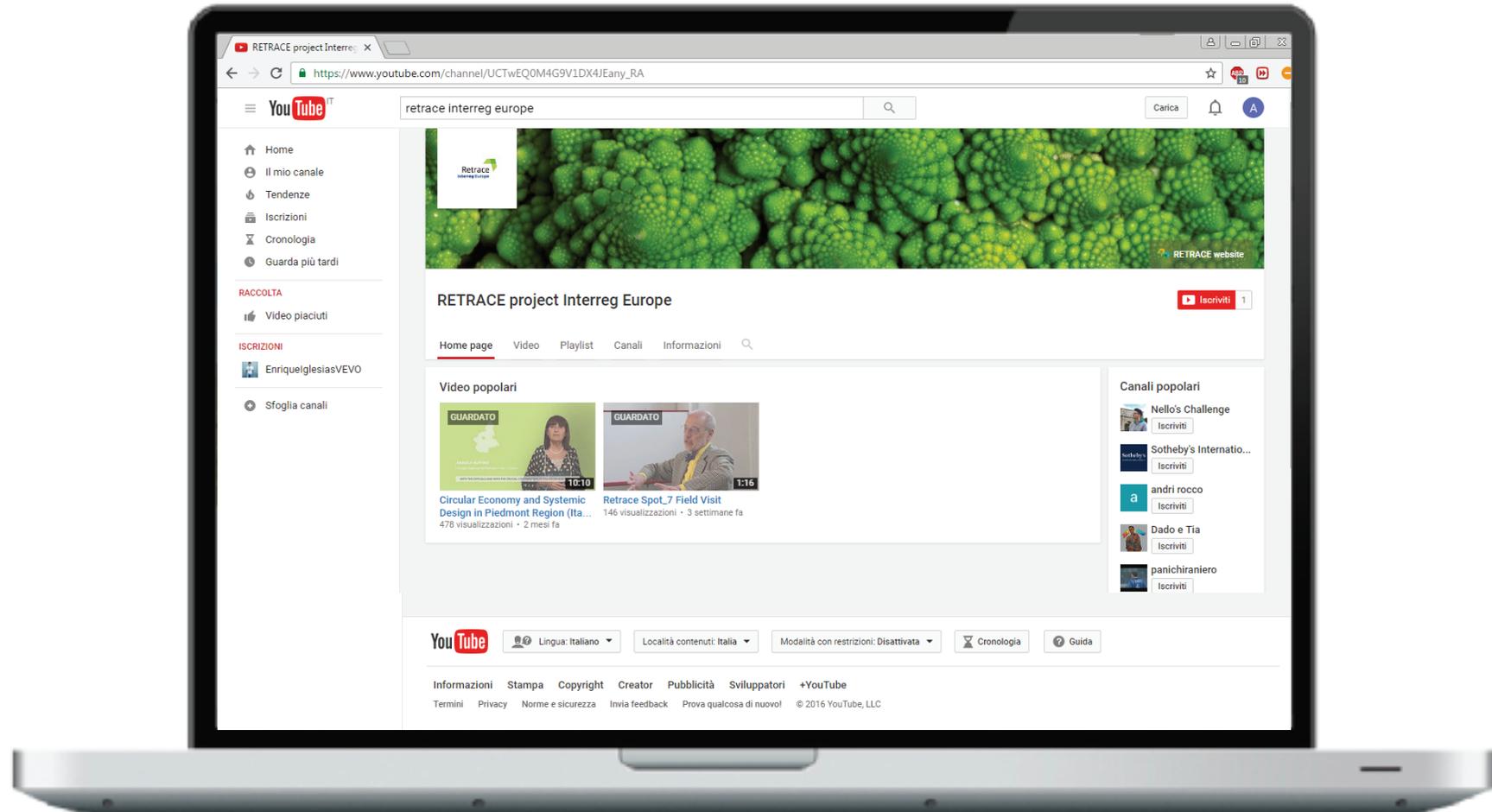
3

Publications

/ RETRACE / communication



/ RETRACE / communication





/ Conclusions

/ Conclusions

/ RETRACE will:

Accelerate the implementation of SD projects towards a CE in Europe

Increase the exchange of Good Practices

Foster the theoretical and practical debate on SD and CE among universities, enterprises and public bodies

THANK YOU

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