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EMPOWERING Project

Zagreb, 11th of May 2017

FOSTERREG
Final Conference



Agencia de Medio Ambiente y Agua
CONSEJERÍA DE MEDIO AMBIENTE
Y ORDENACIÓN DEL TERRITORIO



CENTRE FOR RENEWABLE
ENERGY SOURCES AND SAVING



The project

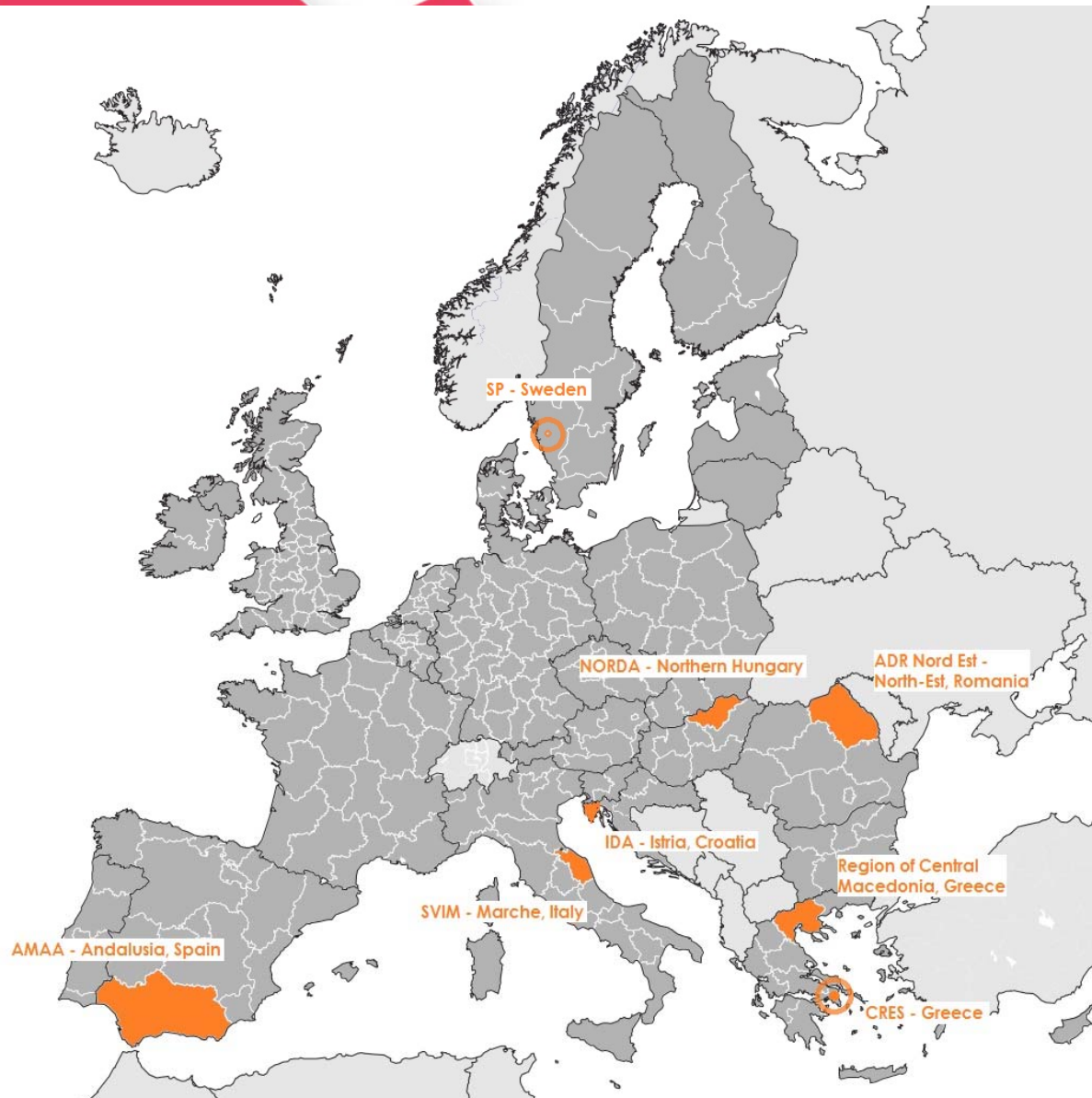


EMPOWERING proposal contributes to the shift of 6 EU regions toward low-carbon society by enhancing the capacities of municipalities and regional representatives to shape integrated energy strategies and plans.

The project contributes to bridge the gap of skills needed to plan energy measures in the new 2030 framework for Climate and Energy Policy in terms of:

- GHG emission reduction,
- renewable energy and
- energy efficiency.

The Consortium



Project Partners:

1. SVIM - Sviluppo Marche SpA (**Italy**)
2. AMAAA - Agency for Environment and Water of Andalusia (**Spain**)
3. North-Est Regional Development Agency (**Romania**)
4. SP - Technical Research Institute of Sweden (**Sweden**)
5. IDA - Istrian Development Agency (**Croatia**)
6. NORDA - Regional Development Agency of North Hungary (**Hungary**)
7. Region of Central Macedonia (**Greece**)
8. Centre for Renewable Energy Sources and Saving (Greece)

The intervention



EMPOWERING addresses energy saving challenges involving local municipalities and regional authorities in:

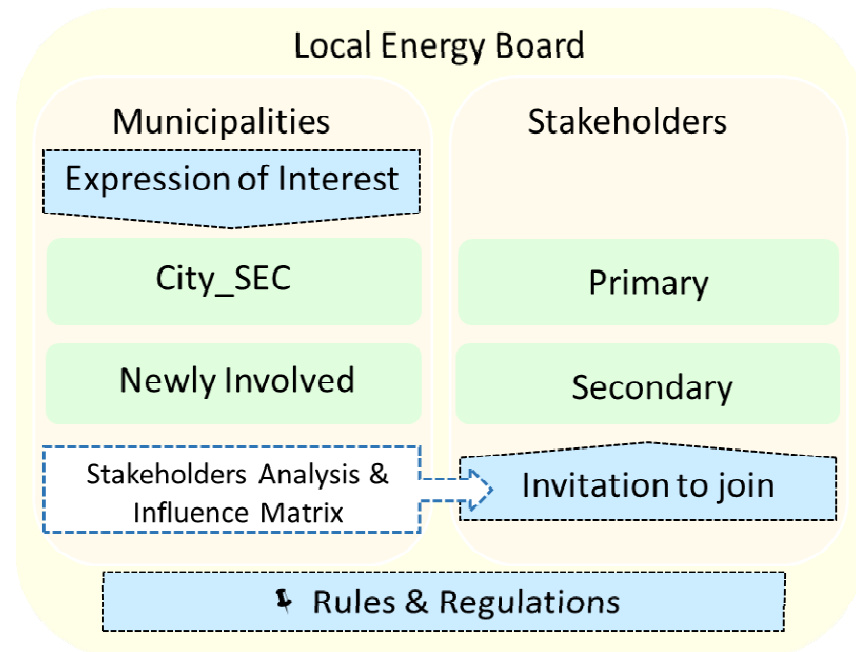
- ❖ a sound **transnational exchange** and learning activities (WP3) including:
 - transnational seminars;
 - peer to peer exchange for regional authorities;
 - study visit to one EU best practice and two partners' best practice.
- ❖ **capacity local building measures** (WP4) addressing different target groups to maximize the learning experience. The improved knowledge and competences of local authorities are put into practice during:
 - the adoption of new SEAPs and
 - the upgrading of the existing ones,
- ❖ while regional authorities are supported in shaping **regional energy vision to 2050** highlighting the main energy challenges and identifying possible financial strategic actions to be implemented (WP5).



Local Energy Board



- Each **regional partner** is required to **set up a LEB** constituted of all **regional public and private stakeholders** relevant for the energy policy challenge, in order to:
 - ensure the **shared ownership** of Integrated Energy Action Plan (SEAP)
 - **strengthen the capacities** of technical and political public officers to deliver efficient and sustainable energy policies and plans
- LEB is **composed** of:
 - **City_SEC** and at least 5 **newly involved municipalities** (15.000-40.000 inhabitants) (*Expression of Interest*)
 - **relevant stakeholders** at regional level (invitation to join), identified through the *stakeholders' analysis table* and the *stakeholders' importance/influence matrix* tools.



Statements of need and knowledge sharing



CBNA Questionnaires – 61 questionnaires collected and processed
4 = represents strengths in implementing SE actions; these are sources for good practices and actions for these actors should focus on integrating innovation in their SE policy.

3 = shows major interest at decisional level; improvement needed for staff (execution).

1 - 2 = represent weak points, opportunity for improvement at institutional/decision making level and the need to increase awareness.

| Topic\Level | A. Practice | B. Internal organization | C. Institutional settings | D. Training | E. Resources |
|--------------------------------|-------------|--------------------------|---------------------------|-------------|--------------|
| integrated energy | 1 | | | | |
| transport and mobility | 2 | | | | |
| land use planning | 3 | | | | |
| innovative financing solutions | 4 | | | | |

CBNA Q - I. Matrix



| CBNA questionnaire | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----|--------------------|-------------|--|--------------------|-------------------|--------------------------------|--------------------------------|---------------------|--------------------|--------------------------------|---|---------------------|--------------------|--------------------------------|------------------------------------|---------------------|--------------------|--------------------------------|--|---------------------|--------------------|--------------------------------|
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | EXISTING PROJECTS AND/OR MEASURES REALIZED | | | | EXISTING (INTERNAL) STRUCTURES | | | | INSTITUTIONAL SETTINGS (REGULATIONS/EXTERNAL) | | | | TRAINING AND EDUCATION INITIATIVES | | | | RESOURCES AVAILABILITY (HUMAN, FINANCIAL, NATURAL) | | | |
| | | | | Integrated Energy | Transport Mobility | Land Use Planning | Innovative Financing Solutions | Integrated Energy2 | Transport Mobility2 | Land Use Planning2 | Innovative Financing Solutions | Integrated Energy3 | Transport Mobility3 | Land Use Planning3 | Innovative Financing Solutions | Integrated Energy4 | Transport Mobility4 | Land Use Planning4 | Innovative Financing Solutions | Integrated Energy5 | Transport Mobility5 | Land Use Planning5 | Innovative Financing Solutions |
| LEB MEMBER | PP | TYPE | inhabitants | | | | | | | | | | | | | | | | | | | | |
| 1 Pesaro | PP1 | update - SEAP | | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 2 ROMAN 1 | PP3 | | | 3 | 4 | 4 | 3 | 2 | 4 | 4 | 4 | 2 | 4 | 4 | 2 | 2 | 2 | 4 | 3 | 2 | 4 | 4 | 3 |
| 3 MORÓN DE LA FRONTERA (SEVILLA) - ANDALUCÍA | PP2 | | | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 2 | 3 | 4 | 4 | 2 |
| 4 Aristotle University of Thessaloniki | PP7 | stakeholder | | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 LA PUEBLA DE CAZALLA (SEVILLA) - ANDALUCÍA | PP2 | | | 4 | 3 | 4 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 1 | 2 | 3 | 2 | 4 | 3 | 4 | 3 |
| 6 LA RINCONADA (SEVILLA) - ANDALUCÍA | PP2 | | | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 2 | 2 | 3 | 4 | 3 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 |
| 7 VASLUI | PP3 | | | 3 | 4 | 4 | 1 | 3 | 4 | 4 | 1 | 3 | 4 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 4 | 4 | 1 |
| 8 Municipality of Poreč | PP5 | update - SEAP | 16,696 | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |
| 9 Parentium LTD. | PP5 | stakeholder | | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |
| 10 Municipality of Pula | PP5 | update - SEAP | 57,460 | 4 | 3 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |
| 11 Ancona | PP1 | update - SEAP | | 2 | 2 | 4 | 4 | 3 | 3 | 4 | 3 | 2 | 2 | 4 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 4 | 2 |
| 12 Municipality of Pazin | PP5 | update - SEAP | 8,638 | 4 | 1 | 4 | 2 | 3 | 1 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 2 |
| 13 ANDALUSIAN ENERGY AGENCY | PP2 | | | 4 | 4 | 2 | 3 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 1 | 1 | 4 | 2 | 2 | 2 |
| 14 Ascoli Piceno | PP1 | update - SEAP | | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 1 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 |
| 15 Thessaloniki Strategic Sustainable Urban Mobility Plan | PP7 | stakeholder | | 3 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 1 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 2 |
| 16 Municipality of Lubin | PP5 | update - SEAP | 11,642 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |
| 17 BACAU | PP3 | | | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 |
| 18 Senigallia | PP1 | update - SEAP | | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 3 | 2 |
| 19 Municipality of Novigrad | PP5 | new - SECAP | 4,345 | 2 | 3 | 3 | 2 | 1 | 1 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 3 | 4 | 3 | 2 | 2 | 3 | 2 |
| 20 Municipality of Kalamaria | PP7 | new - SECAP | | 1 | 3 | 2 | 1 | 2 | 2 | 3 | 1 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 |
| 21 LA PALMA DEL CONDADO (HUELVA) - ANDALUCÍA | PP2 | | | 2 | 4 | 3 | 1 | 1 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 4 | 4 | 1 | 1 |
| 22 Region of Istria | PP5 | regional authority | | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 2 | 3 | 1 | 3 | 2 | 3 | 1 |
| 23 Municipality of Rovinj | PP5 | update - SEAP | 14,291 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 3 | 2 | 2 | 2 | 2 |
| 24 Municipality of Vodnjan | PP5 | new - SECAP | 6,119 | 2 | 2 | 3 | 2 | 2 | 3 | 4 | 1 | 2 | 1 | 3 | 1 | 2 | 1 | 3 | 1 | 2 | 2 | 3 | 2 |
| 25 Enns | PP6 | new - SECAP | 6402 | 2 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 26 Fano | PP1 | new - SECAP | | 3 | 2 | 3 | 1 | 1 | 3 | 4 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 2 |
| 27 Appignano | PP1 | update - SEAP | | 2 | 1 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 28 Urbino | PP1 | update - SEAP | | 2 | 4 | 2 | 1 | 3 | 2 | 4 | 1 | 2 | 2 | 4 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
| 29 MONTILLA (CÓRDOBA) - ANDALUCÍA | PP2 | | | 3 | 3 | 3 | 1 | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 1 |
| 30 SANLÚCAR LA MAYOR (SEVILLA) - ANDALUCÍA | PP2 | | | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 31 IASI | PP3 | | | 1 | 3 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 4 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 Bükkaronyos | PP6 | update - SEAP | 1478 | 4 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 3 | 3 | 1 | 1 |
| 33 MOINESTI | PP3 | | | 1 | 3 | 3 | 1 | 1 | 1 | 4 | 1 | 1 | 2 | 4 | 1 | 1 | 1 | 1 | 3 | 1 | 2 | 4 | 1 |
| 34 PEÑARROYA-PUEBLONUEVO (CÓRDOBA) - ANDALUCÍA | PP2 | | | 2 | 2 | 1 | 1 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 4 | 1 |
| 35 SALOBREÑA (GRANADA) - ANDALUCÍA | PP2 | | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 36 Szerencs | PP6 | update - SEAP | 9013 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 |
| 37 Macerata | PP1 | update - SEAP | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 38 Offida | PP1 | update - SEAP | | 2 | 1 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 2 | 1 |
| 39 Allidona | PP1 | new - SECAP | | 1 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| 40 Pollenza | PP1 | update - SEAP | | 2 | 2 | 2 | 1 | 2 | 1 | 3 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
| 41 Ózd | PP6 | update - SEAP | 33493 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 42 San Severino Marche | PP1 | new - SECAP | | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| 43 Nyékládháza | PP6 | update - SEAP | 4876 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 1 | 1 |
| 44 San Benedetto del Tronto | PP1 | new - SECAP | | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 45 Municipality of Oreskasto | PP7 | new - SECAP | | 1 | 1 | 3 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 46 San Paolo di Jesi | PP1 | update - SEAP | | 4 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| 47 Santa Maria Nuova | PP1 | update - SEAP | | 4 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |

Istria CBNA Matrix



| LEB MEMBER | EXISTING PROJECTS AND/OR MEASURES REALIZED | | | | EXISTING (INTERNAL) STRUCTURES | | | | INSTITUTIONAL SETTINGS (REGULATIONS/EXTERNAL) | | | | TRAINING AND EDUCATION INITIATIVES | | | | RESOURCES AVAILABILITY (HUMAN, FINANCIAL, NATURAL) | | | | tot |
|----------------------------|--|-----------------|-----------|----------------|--------------------------------|-----------------|-----------|----------------|---|-----------------|-----------|----------------|------------------------------------|-----------------|-----------|----------------|--|-----------------|-----------|----------------|-----|
| | Int egr a | Tra nsp o | Land u | Inn ov a | Int egr a | Tra nsp o | Land u | Inn ov a | Int egr a | Tra nsp o | Land u | Inn ov a | Int egr a | Tra nsp o | Land u | Inn ov a | Int egr a | Tra nsp o | Land u | Inn ov a | |
| 1 Municipality of Poreč | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 57 |
| 2 Parentium Ltd. | 4 | 4 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 57 |
| 3 Municipality of Pula | 4 | 3 | 4 | 2 | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 56 |
| 4 Municipality of Pazin | 4 | 1 | 4 | 2 | 3 | 1 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 52 |
| 5 Municipality of Labin | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 49 |
| 6 Municipality of Novigrad | 2 | 3 | 3 | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 4 | 3 | 2 | 2 | 3 | 2 | 45 |
| 7 Region of Istria | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 2 | 3 | 1 | 3 | 2 | 3 | 1 | 3 | 2 | 3 | 1 | 43 |
| 8 Municipality of Rovinj | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 40 |
| 9 Municipality of Vodnjan | 2 | 2 | 3 | 2 | 2 | 1 | 4 | 1 | 2 | 1 | 3 | 1 | 2 | 1 | 3 | 1 | 2 | 2 | 3 | 2 | 40 |

CBNA: S1- Matrix



- The responses provided by the respondents show that most municipalities have good practices in areas related to **land use planning** where **internal structures and institutional settings (procedures) coherently exist**. This could be a consequence of the fact that these structures are related to urban planning as an overall concept/activity for local authorities, but not necessarily that these structures have a focus on sustainable energy in their activity. Still, among the topics to be the subject of capacity building activities, “land use planning” scored the lowest preference (46%).
- Another topic that marked as a source of best practice is related to **transport & mobility**. We find here the expression of the sustainable mobility **mainstream policy** at European level, where the European Commission created the mainframe and the authorities implemented measures, structures, institutional settings, and allocated resources, but have to improve in the **quality of human resources** through training and capacity building projects.



CBNA: S1- Matrix



- The funding available expresses also regarding **projects implemented in sustainable energy**. Respondents indicated that there have been projects and actions implemented, but when correlating with responses in structures, institutional settings, training and/or resources we can see that there is a **lack in strategic approach** of activities in this area and that most projects have been implemented in an ad-hoc approach.
- Regarding **innovative financing solutions**, most respondents scored the **lowest level** of structural approach – there are **gaps** on most aspects envisaged (projects, structure, settings, training, resources) and this is confirmed by their preference (of 81%) to be trained on the topic of financial innovative solutions.



CBNA – S3. Open Qs



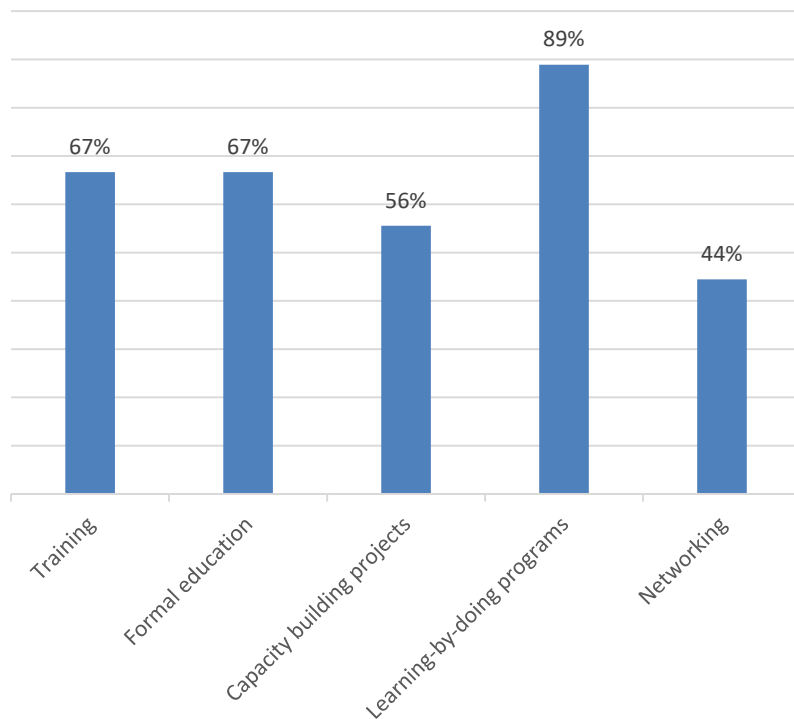
The respondents prefer to participate to **training** sessions aiming at building capacities for both **human resources and institutional capacities** on topics envisaging **integrated energy and innovative financial solutions** aiming at improving the **decision making capacity, the awareness, but also analysis capacity.**

- Istria:
 - Focused more on practical approaches regarding capacity building for human (individual) resources on integrated energy and innovative financial solutions mainly to improve decision making capacity.

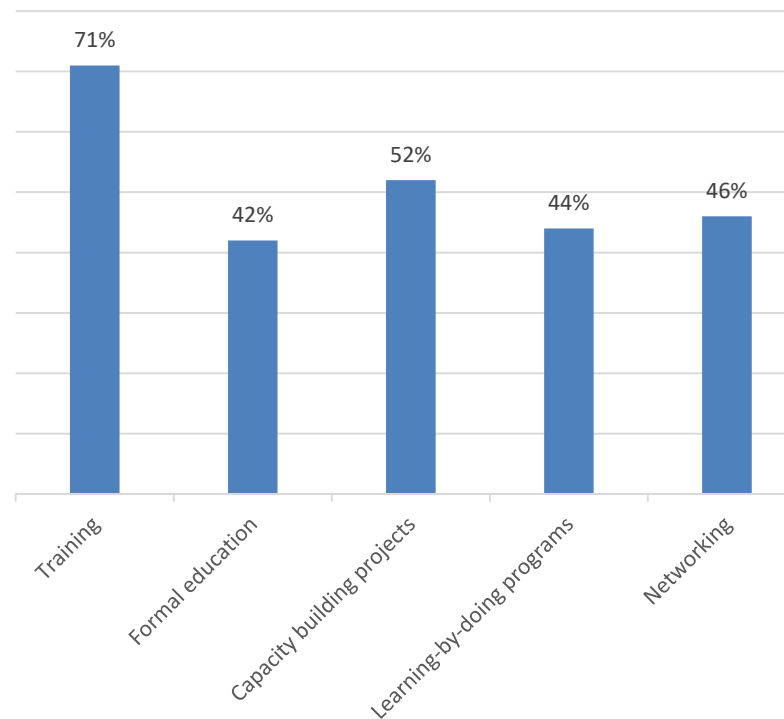
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What capacities should be built?



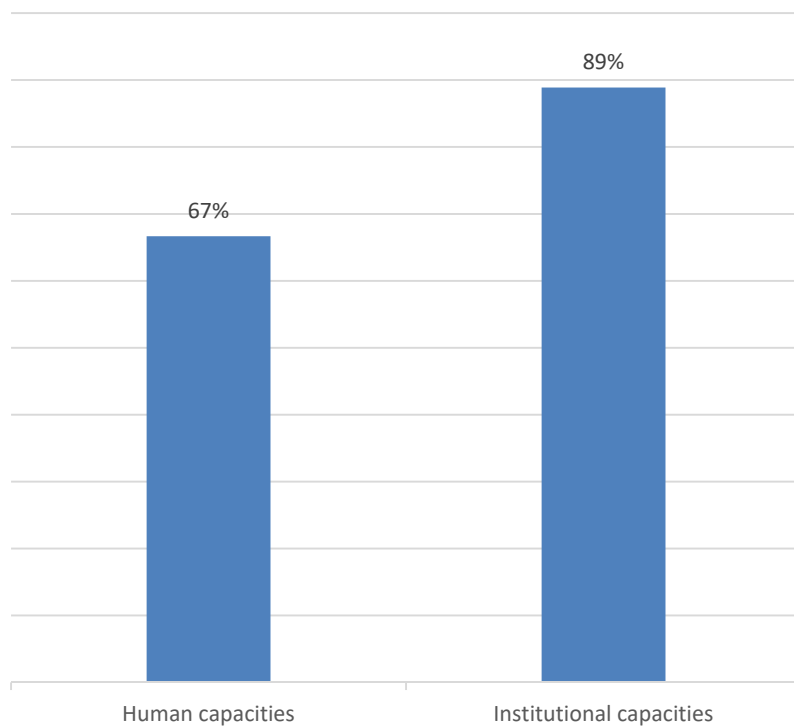
What capacities should be built?



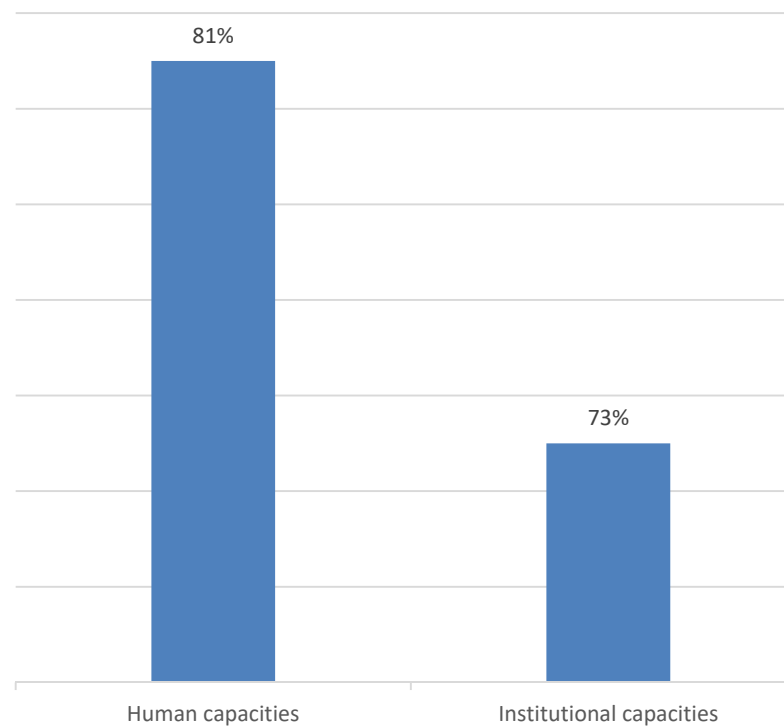
Istria / EMPOWERING



For whom should capacities be built?



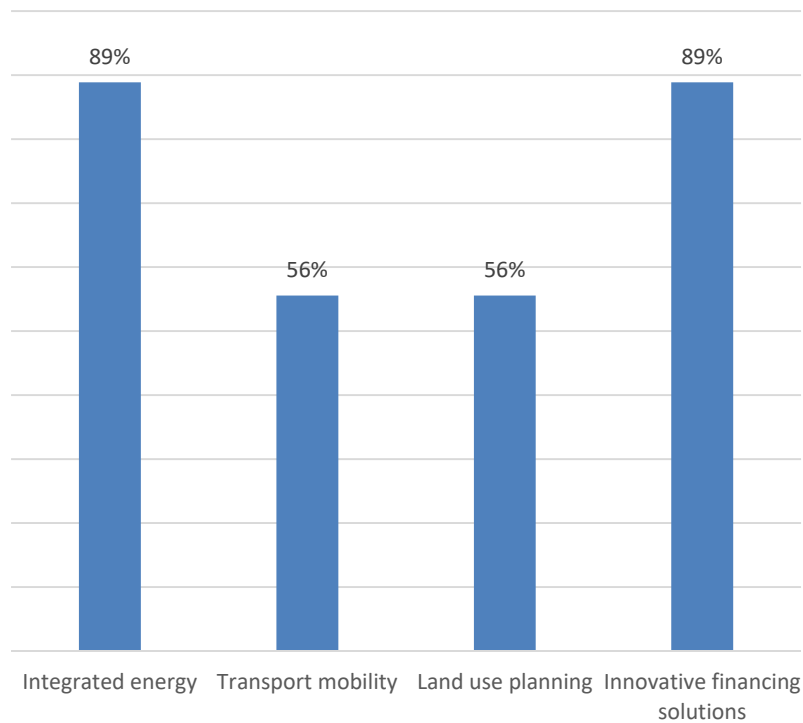
For whom should capacities be built?



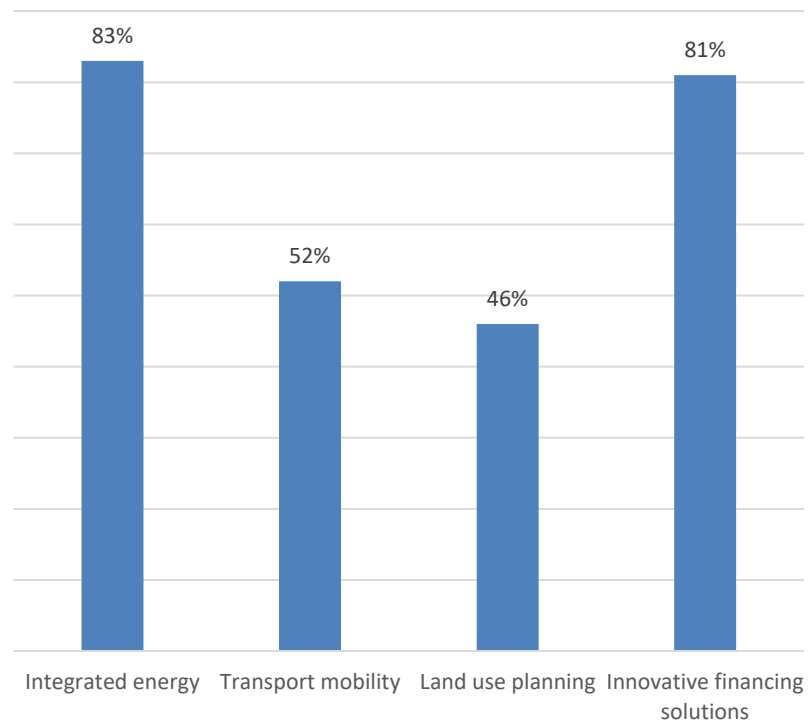
Istria / EMPOWERING



On what topics should capacities be built?



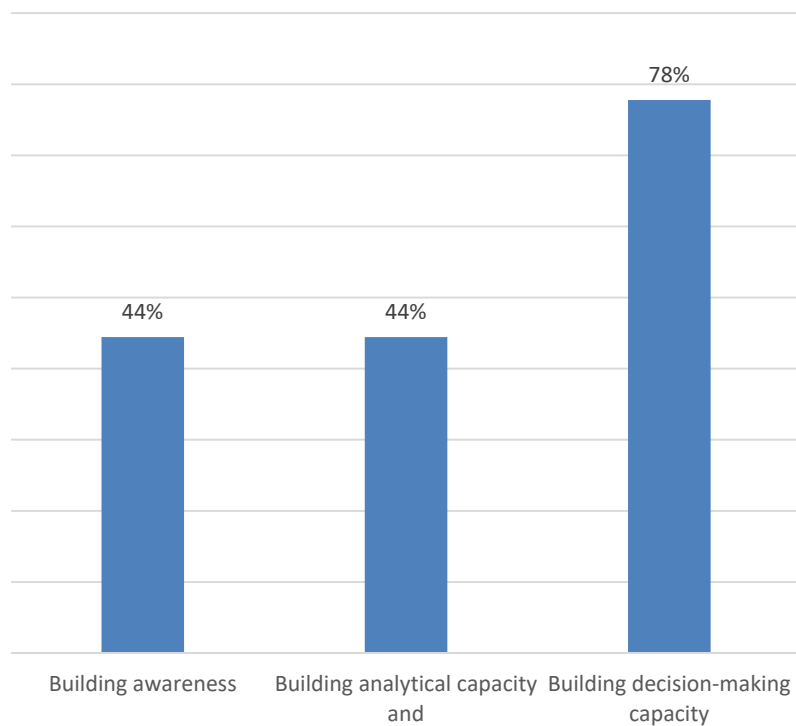
On what topics should capacities be built?



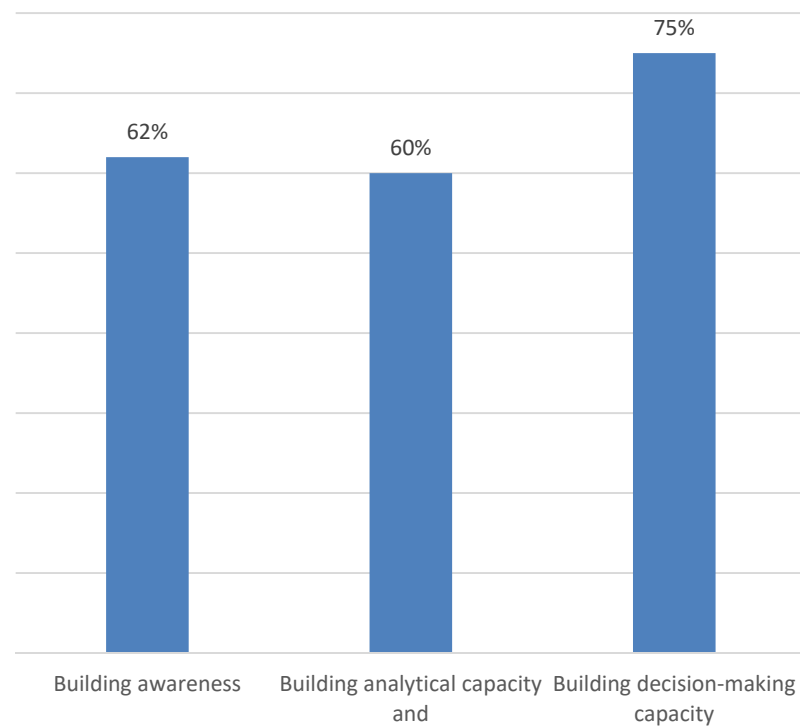
Istria / EMPOWERING



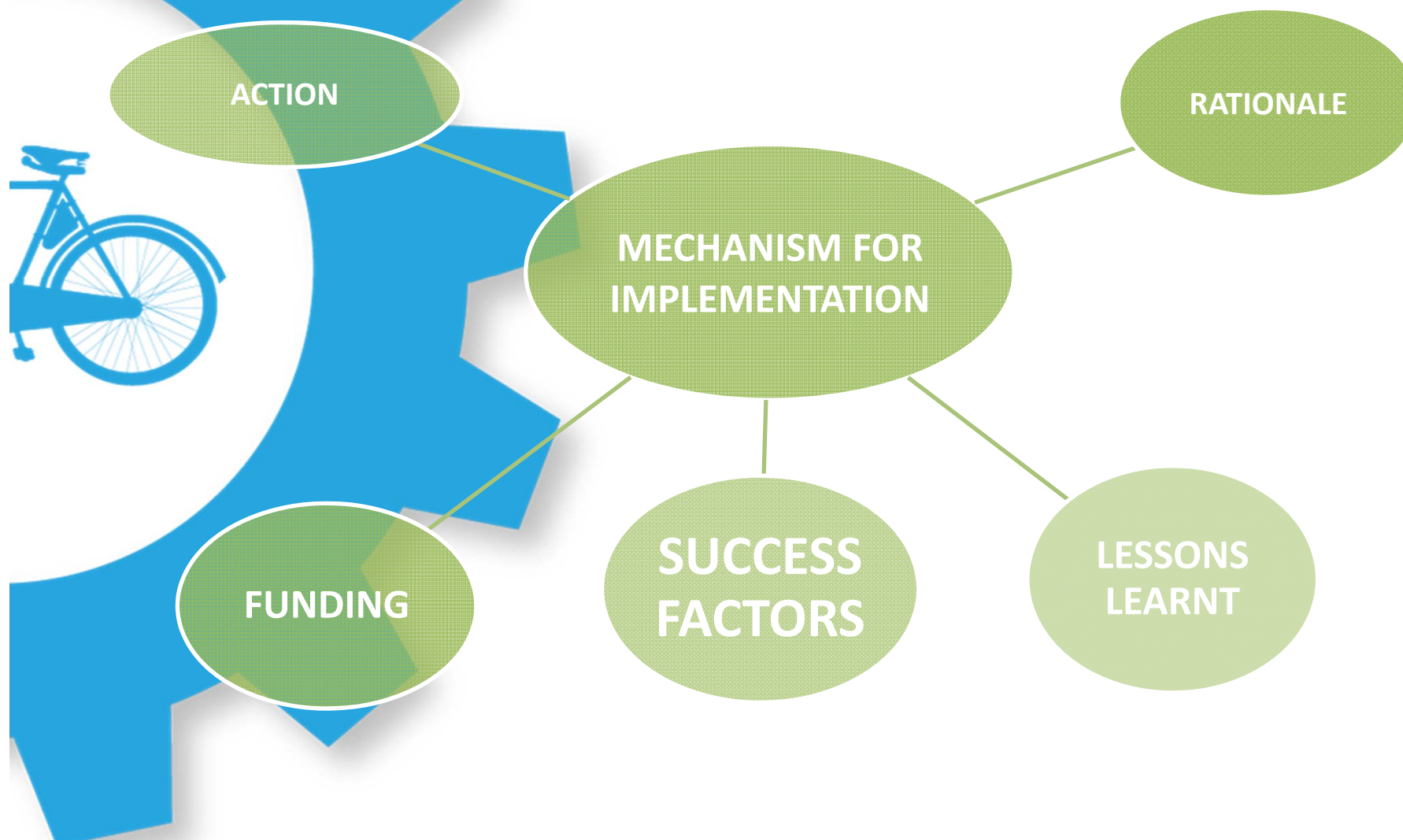
To what end should capacities be built?



To what end should capacities be built?



Next step - Focus of Transnational Exchange Program





www.empowering-project.eu

Thank you!

Ramona TANASA

North-East Regional Development Agency

ramona.tanasa@adrnordest.ro

ADRE
Agencia pentru Dezvoltare Regională
N O R D - E S T



Agencia de Medio Ambiente y Agua
CONSEJERÍA DE MEDIO AMBIENTE
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