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ROLE OF THE EUROPEAN ENERGY AWARD IN THE MUNICIPAL ENERGY EFFICIENCY & MANAGEMENT PROJECT IN SERBIA

ANA PAJKOVIC, PROGRAMME OFFICER
SWISS COOPERATION OFFICE SERBIA

Invented in Switzerland with municipalities, 25 years ago



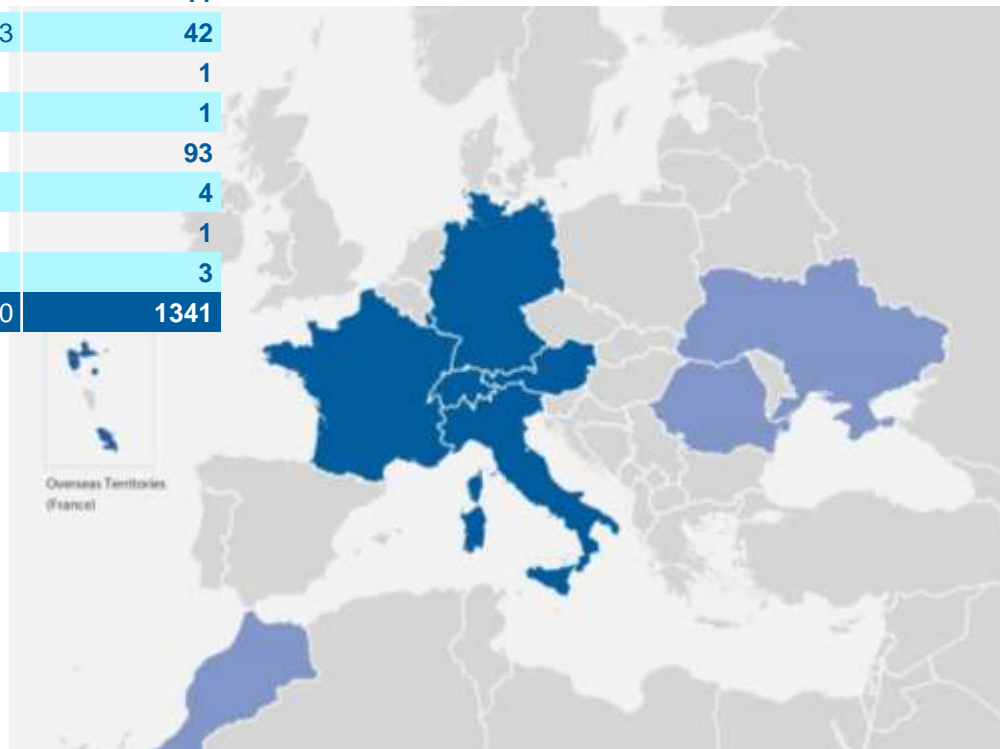
Used by both small and large municipalities

PARTICIPATING MUNICIPALITIES IN EUROPEAN ENERGY AWARD

Country	No. of awarded communities			Total	Gold certified	No. of participating communities
	< 5'000 inhabitants	5' - 100'000 inhabitants	> 100'000 inhabitants			
AT	57	38	1	96	16	179
CH	133	207	5	345	31	618
DE	27	112	44	183	38	308
FR	1	13	12	26	2	80
LI	9	2	0	11		11
IT	9	1	1	11	3	42
HU	0	1	0	1		1
MC		1		1		1
LU	9	4	0	13		93
RO						4
UA						1
MA						3
Total	245	379	63	687	90	1341

Status End of 2014

- Ordinary members countries with national programmes
- Pilot countries



DESIGN OF THE MUNICIPAL ENERGY EFFICIENCY & MANAGEMENT PROJECT



European Energy Award (eea)
Monitoring of energy policy and
project progress

**Capacity
building**

Investment

MUNICIPAL ENERGY EFFICIENCY & MANAGEMENT PROJECT

- Participating municipalities:
 1. Kruševac
 2. Paraćin
 3. Užice
 4. Vrbas
- Paraćin & Užice – DRR component
- Project Agreement with MoME (implementation agreement LSGs & MoME) -> Tender for implementation consultant

AGENDA

- Why use the European Energy Award as a monitoring instrument?
- How can the eea assist and accelerate the implementation of the national law on energy efficiency?
- Possible roles for the national institutions

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- **Why use the European Energy Award as a monitoring instrument?**
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Finding: Municipalities are important for implementing national energy strategies



Identified Problem: Municipalities are often overcharged with implementing national energy requirements

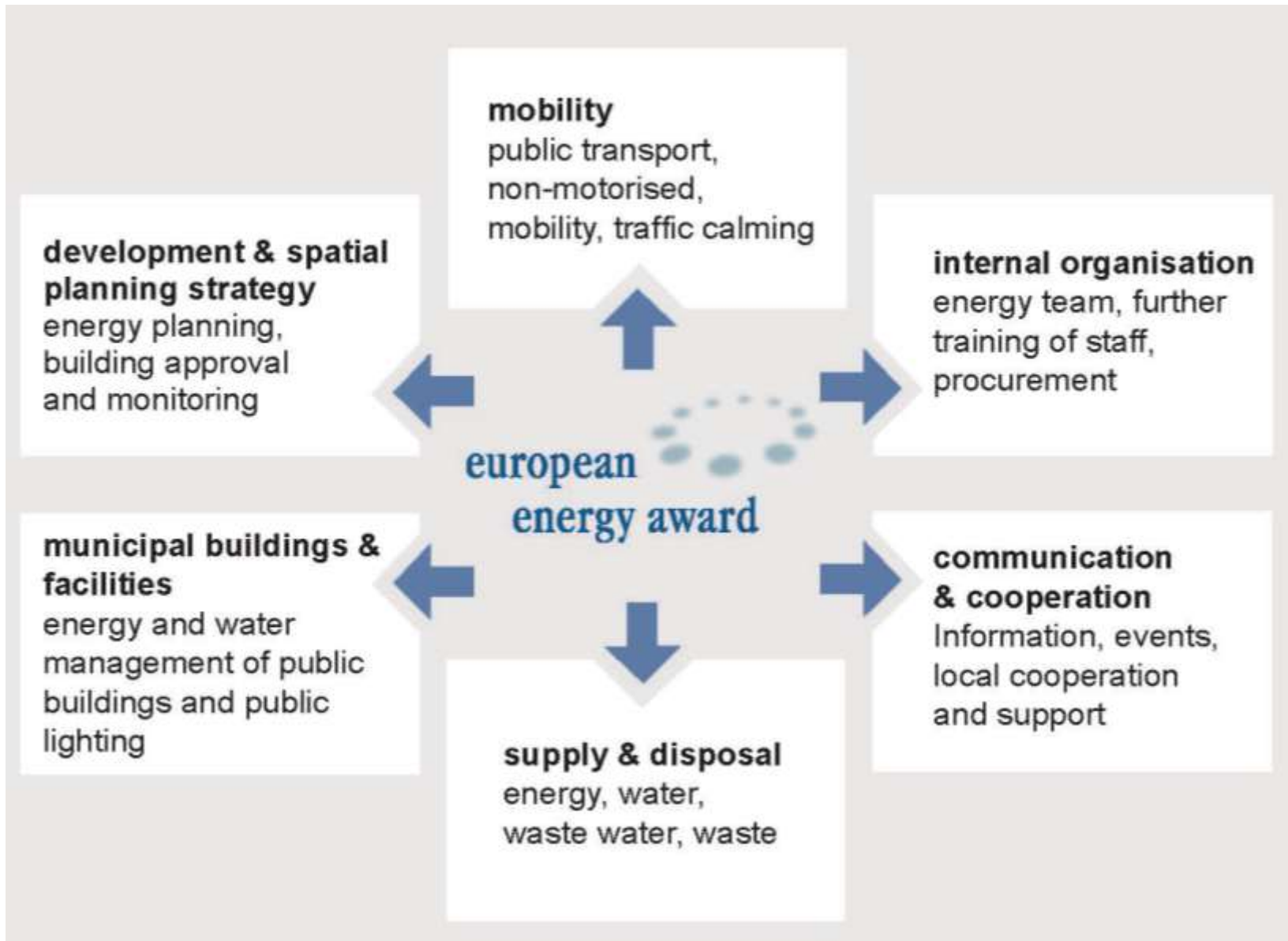
EUROPEAN ENERGY AWARD

THE STEP-BY-STEP PROCESS



EEA: management tool to help municipalities implement national energy & climate requirements

6 DOMAINS IN EEA PROCESS



ASSESSMENT TOOL FOR MUNICIPALITIES

Assessment tool European Energy Award



1 Development and Spatial Planning

	Title and description	Points
1.1	Concept and strategy	
	Initial energy review, targets, balances, energy and traffic planning, program of activities	
1.1.1	Climate strategy at municipality level, energy perspectives	6
	<p>The municipality has guiding principles comprising qualified and quantified energy and climate policy targets for local policies, including statements on mobility.</p> <p>The municipality affirms its commitment towards energy and climate policy by signing relevant agreements such as the "Covenant of Mayors"</p> <p>These general principles are specifically set down in an official document.</p>	
1.1.2	Climate protection and energy concept	6
	<p>The municipality has a climate protection and energy concept that gives concrete shape to the guiding principles (and forms the basis for planning tools such as energy, traffic planning and waste concepts). The concept may include strategies amongst others on</p> <ul style="list-style-type: none"> - Increase in efficiency and reduction of emissions - Full utilisation of the potential for local renewable energy production - Preservation of the natural environment and agricultural activity. <p>The concept is aligned with medium-term and long-term goals and strategies and contains a reduction pathway (energy requirements, CO2 emissions)</p>	
1.1.3	Balance, indicator systems	10
	The municipality conducts regular energy and climate analyses (every 2-5 years) for the whole territory, including statements on mobility.	

6 domains

1. Development and spatial planning
2. Municipal buildings, facilities
3. Supply and disposal
4. Mobility
5. Internal organisation
6. Communication, cooperation

EEA IS A MANAGEMENT TOOL – AND MORE

- 1) Supports energy strategy development
- 2) Supports stable organisational structures
- 3) Supports concrete action plan
- 4) Guarantees controlling in implementation phase
- 5) Creates visibility and public awareness
- 6) Guarantees comparability



Marie-Pierre Gramaglia,
Principality of Monaco
Minister of Public Works, the
Environment and Urban
Development

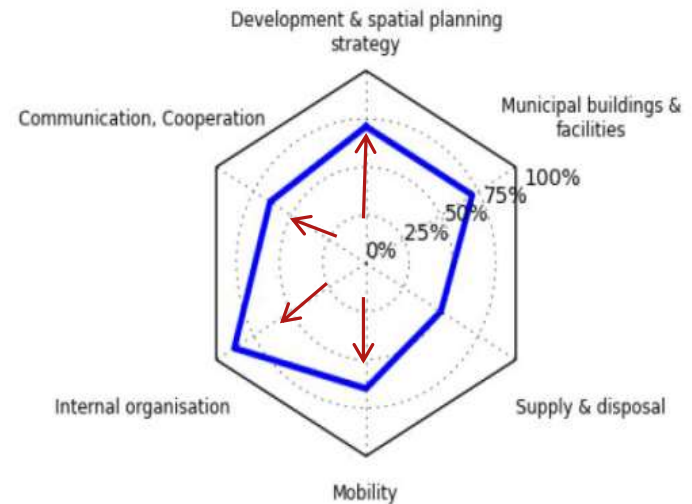
„The eea is a tool that incentivizes action. It assisted the government in giving more prominence to its commitments toward its climate policies.“

RESULTS OF AN EEA PROCESS

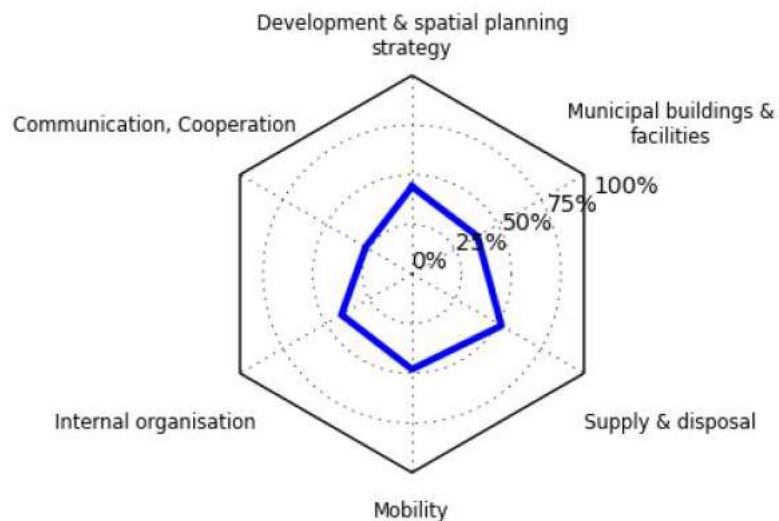


ENERGY POLICY PLAN 2013

No.	what?		additional eea-points	who?		when?		costs?	
	measure	description of activity		realisation lead	termination	priority	single costs	annual costs (internal/external)	
Development, Regional planning									
1.1 Concepts, Strategy									
1.1.1	Climate strategy at municipality level, energy perspectives								
1.1.2	Balance, indicator systems								
1.1.3	Climate protection and energy concepts								
1.1.4	Evaluation of the effects of climate change, assessment of the impacts of climate change								



RESULTS OF EEA ASSESSMENT IN SERBIA 2014



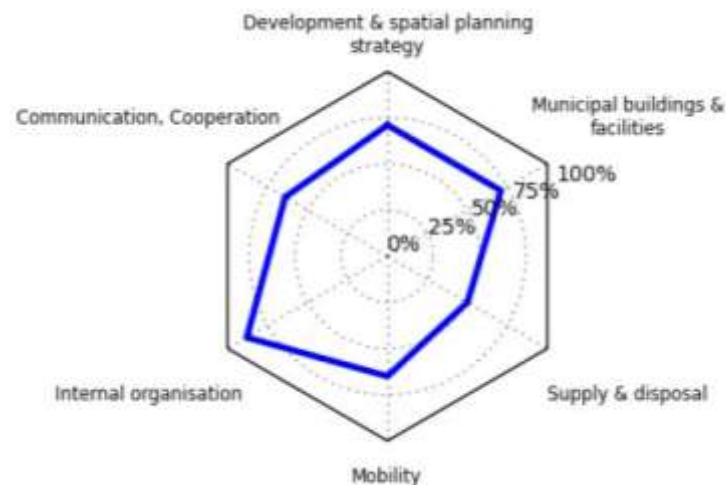
Krusevac



Paracin



Uzice

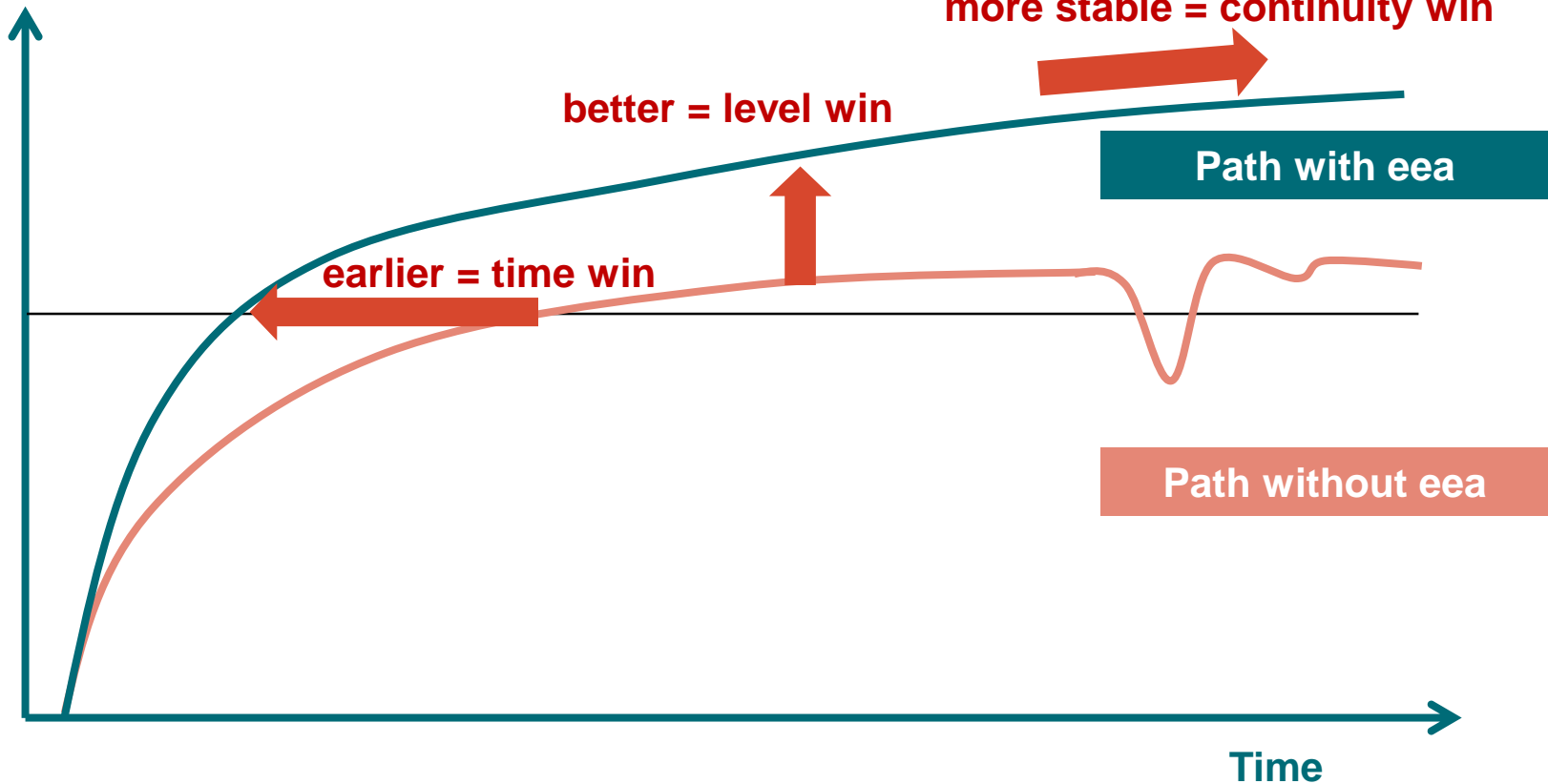


Vrbas

EEA BENEFITS: fulfilling legal requirements earlier, better and more stable



Goals of energy policy
& level of achievement



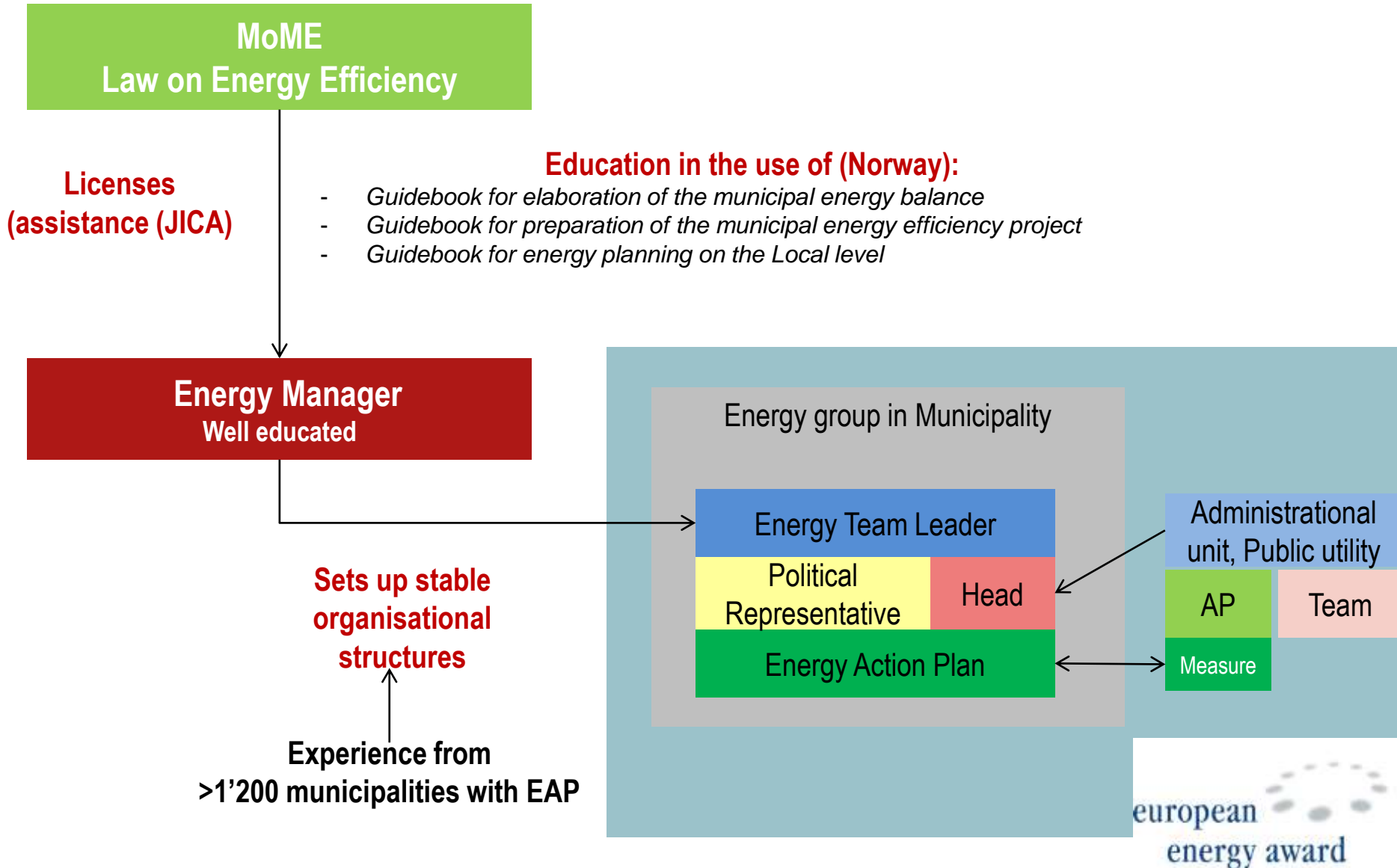
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LEGAL COMPLIANCE MARCH 2015

Requirement	Municipality 1	Municipality 2	Municipality 3	Municipality 4
Energy Manager	Starting 2015	Identified, but not operational	Starting 2015	Yes, operational
Energy Action Plan	Draft for 2015-2017	Draft 2008-2017	Approv. Sust. Local dev. Strategy 2012-2030	Yes, operational
Procurement Guidelines	No	No	No	Yes, operational
Energy Monitoring mun. Buildings	No	Only for major consumers	No	Yes, operational
Energy passports for buildings	Documentation ready, no new buildings with energy passports	no new buildings with energy passports	no new buildings with energy passports	no new buildings with energy passports
Tariff Systems for district heating	15% based on consumption	No district heating	25% based on consumption	50% based on consumption
Minimum efficiency for heat production plants	No information	No district heating	No information	No Information

SUPPORT ENERGY MANAGER IN MUNICIPALITY



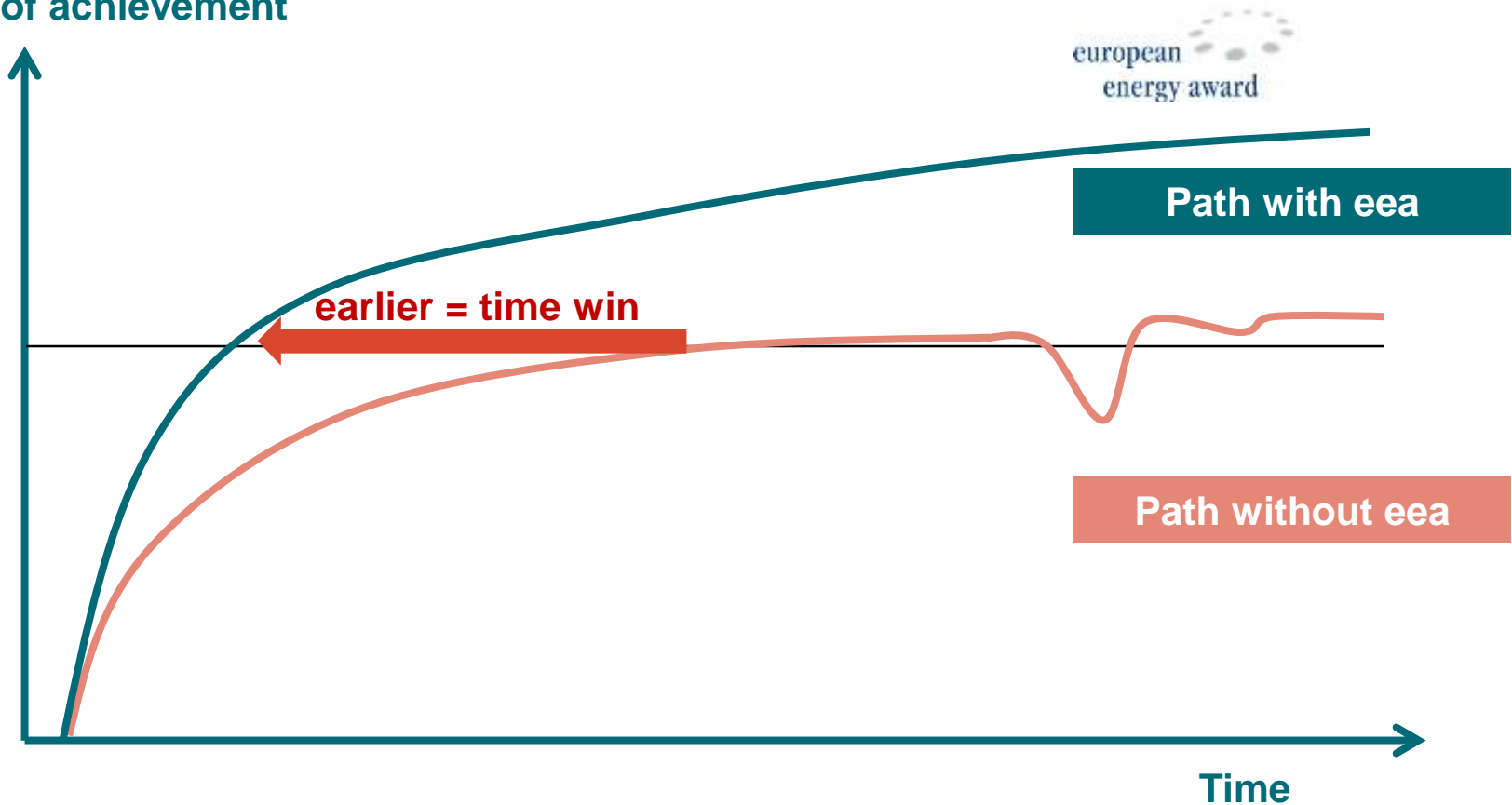
EEA ADVANTAGES: ENERGY MANAGER

- eea emphasises that the Energy Manager has the **political backing** needed
- eea promotes the set up of **successful structures** (integration of stakeholders and important units)



EEA BENEFITS: TIME WIN

Goals of energy policy
& level of achievement



ENERGY ACTION PLAN (EAP): PAPER OR ACTION?

Law on Energy Efficiency

Requires

Energy Action plan

paper or action



Priority	Concrete actions/Measures	Deadlines	Persons	Decisions	Budgets
1.1
1.2
1.3
1.4

eea-contribution

- Priorities
- Concrete actions/measures
- Deadlines
- Persons, decisions, budgets
- Controlling

?

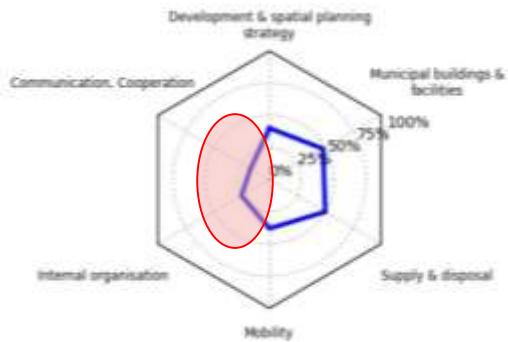
Renewable
Energies ↑

Energy Efficiency ↑

europaean
energy award

EXAMPLE: HOW OTHER PROGRAMMES CAN BE INTEGRATED

Identified Weaknesses



Energy Action plan

Infrastructure component schools (SECO)

Capacity building component schools (SECO)

Energy monitoring buildings (UNDP)

Loans (KfW)

Other Trainings



Advanced energy policy



Re-evaluation

ADVANTAGES OF AN EEA ASSISTED ENERGY ACTION PLAN

For MoME

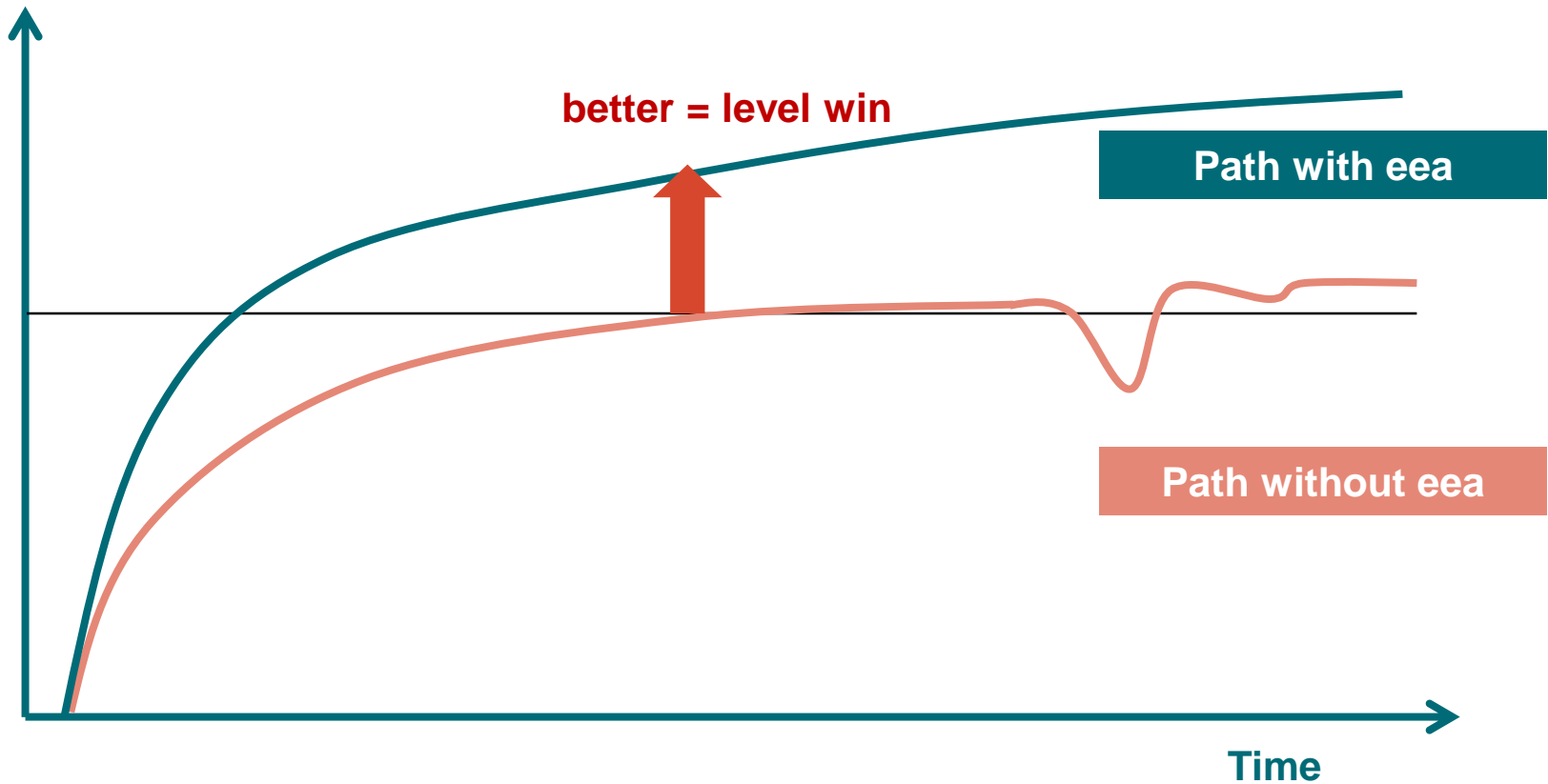
- High quality action plan – easier to control
- Implementation in a municipality is controlled – «not just paper»
- All programmes/donors can be integrated

For other programmes/donors

- Spider diagrams show whether investment is needed in an area
- Controlling of effectiveness is guaranteed

EEA BENEFITS: MORE QUALITY

Goals of energy policy
& level of achievement



SUSTAINABLE PROCESSES

Stability of long-term process

Structured process



ENERGY POLICY PLAN

Objectives	Measures	Indicators
1.1.1. Climate change	1.1.1.1. Energy efficiency	1.1.1.1.1. Energy consumption
1.1.2. Air quality	1.1.2.1. Energy efficiency	1.1.2.1.1. Energy consumption
1.1.3. Noise	1.1.3.1. Energy efficiency	1.1.3.1.1. Energy consumption
1.1.4. Greenhouse gas emissions	1.1.4.1. Energy efficiency	1.1.4.1.1. Energy consumption
1.1.5. Promotion of the use of renewable energy	1.1.5.1. Energy efficiency	1.1.5.1.1. Energy consumption



Licensed:
External
eea
consultant

Award



Licensed:
external eea
Auditor

4-year award -> motivation for politicians



EEA BENEFITS: MORE STABILITY

Goals of energy policy
& level of achievement



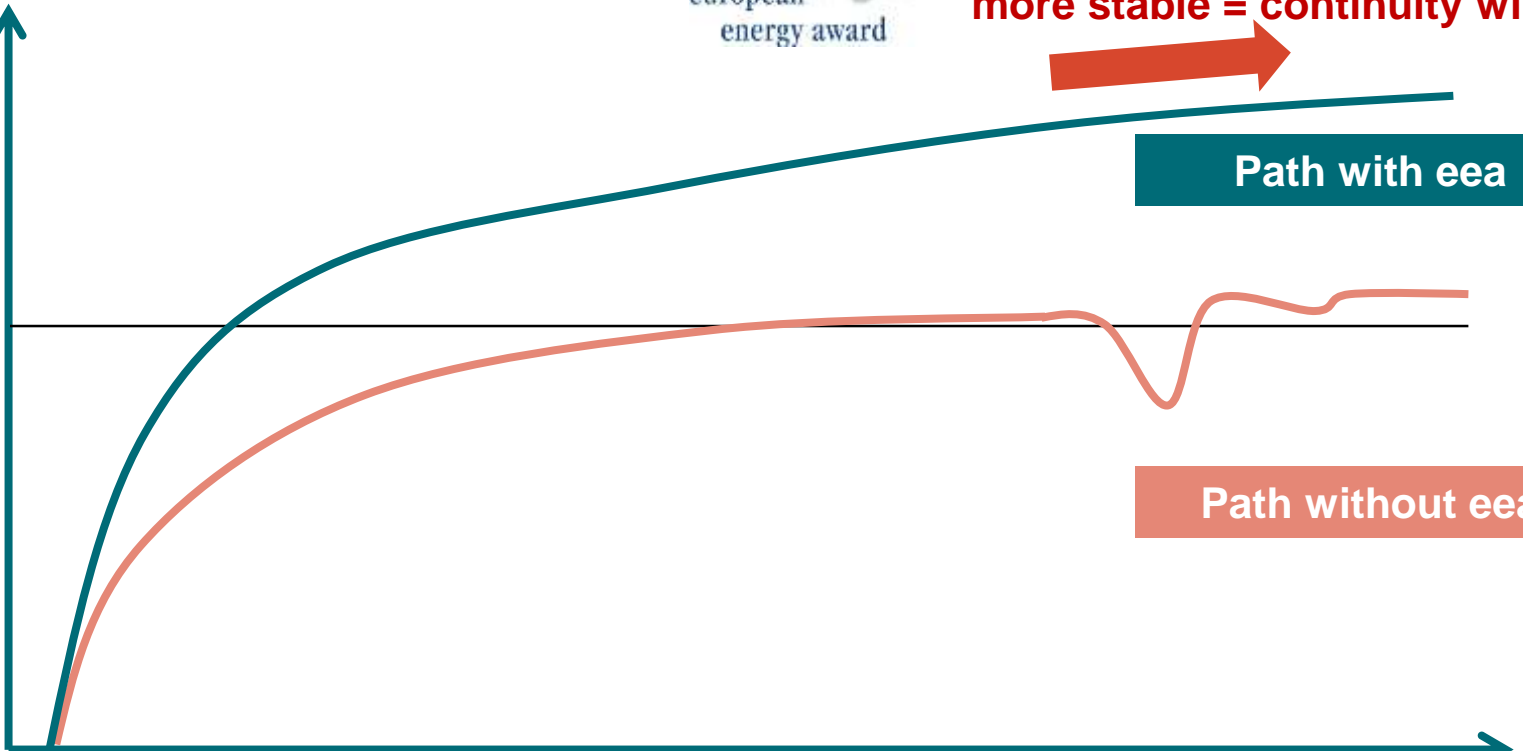
more stable = continuity win



Path with eea

Path without eea

Time



ADVANTAGES OF A MORE STABLE PROCESS

eea creates a:

- Forward oriented process even if people change in municipalities
- Positive attitude towards energy policy
- Quality management system (QMS) – allows to prove to foreign countries quality of implementation of law

ECONOMIC ASPECTS

eea benefits (“earlier, better, more stable”) has positive economic impacts:

- Most of the high priority and most effective measures have very short pay back times
- Economic advantages for municipalities are higher than additional costs
- Built up of eea know how in four municipalities can be transferred to other municipalities later on
- The comprehensive eea approach protects the investments in energy efficiency in the long term

AGENDA

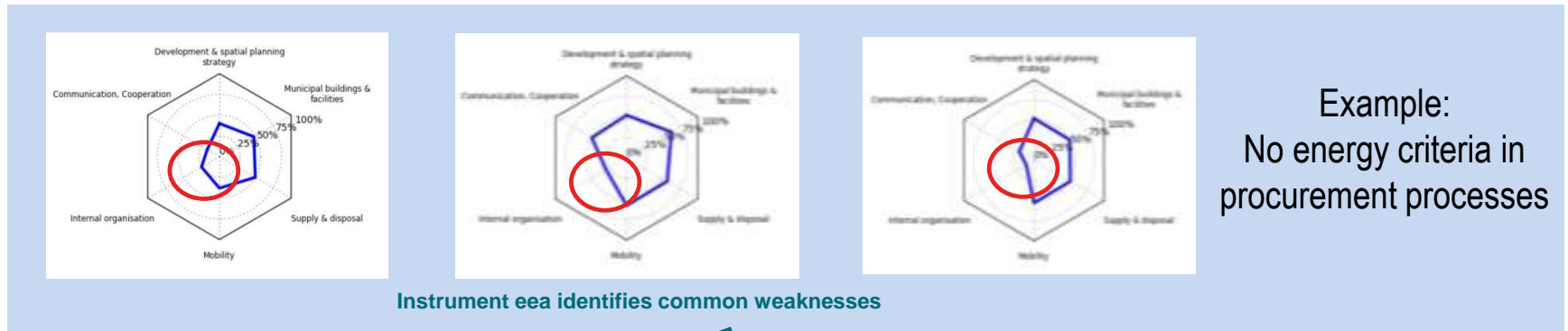
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- **Possible roles for the national institutions**

ADDRESS IDENTIFIED COMMON WEAKNESSES

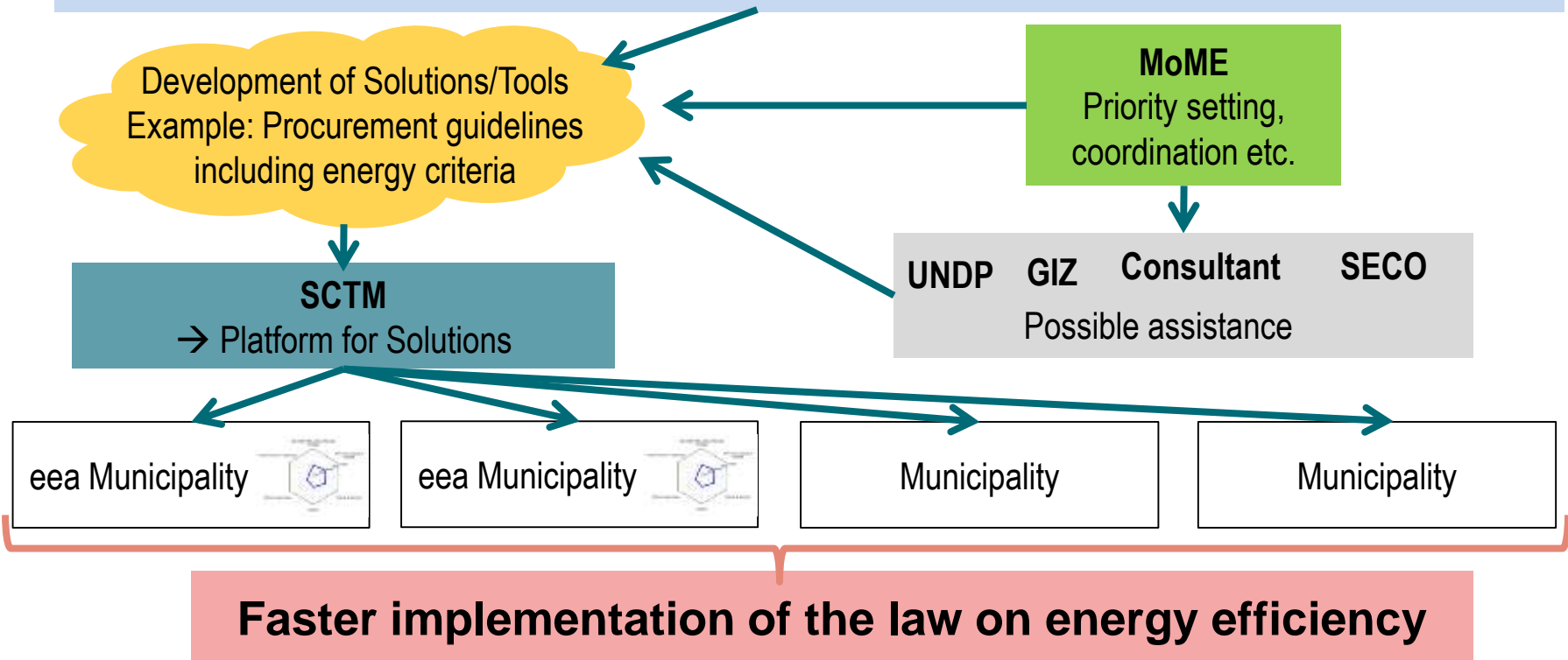


eea instrument identifies **common weaknesses**
→ Example: No energy criteria in procurement processes

ADDRESS IDENTIFIED COMMON WEAKNESSES



Example:
No energy criteria in procurement processes



MULTIPLY BEST PRACTICE



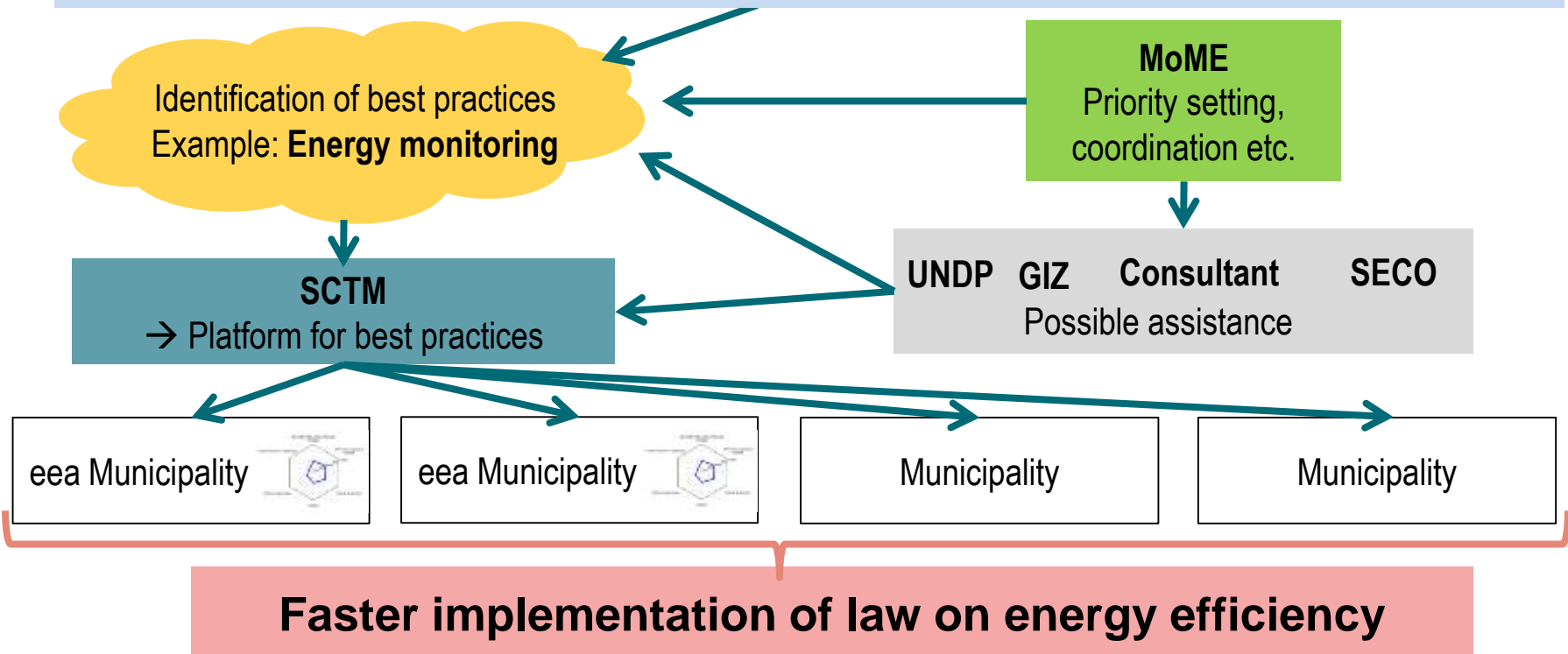
Instrument eea identifies **best practices** to tackle weaknesses
→ Example: Energy monitoring for buildings by UNDP tool ISEM

SPREAD BEST PRACTICE



Example:
UNDP/ISEM Energy
monitoring buildings

Instrument eea identifies best practices for weaknesses





Camille Gira,
Luxembourg

State Secretary for Sustainable
Development and Infrastructure,
Grand Duchy of Luxembourg

„The eea is a cornerstone of the climate pact between the state and the municipalities in Luxembourg. It helps local authorities and citizens in their climate protection efforts.“

THANK YOU