

PROVINCE OF CHIETI

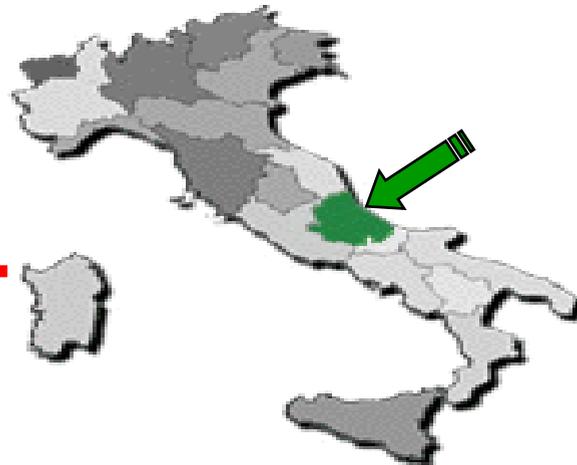
ITALY



Antonio DI NUNZIO

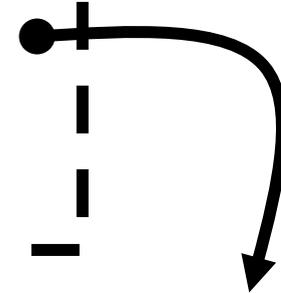
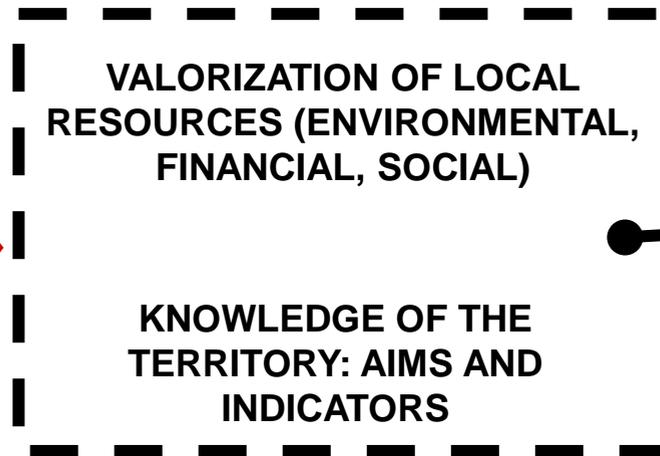
- *General Manager of ALESA Province Agency for energy*
- *Deputy President RENAEI National Network of Local Energy Agency*

REGIONAL DEPLOYMENT OF SUSTAINABLE ENERGY

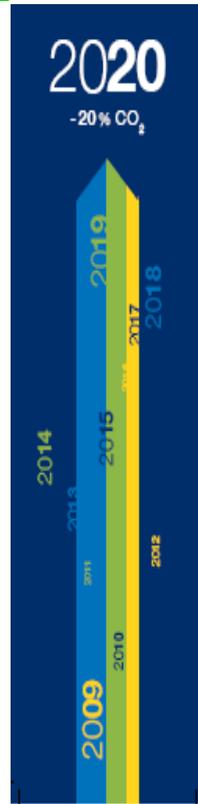




YEAR 2000 - LOCAL AGENDA 21



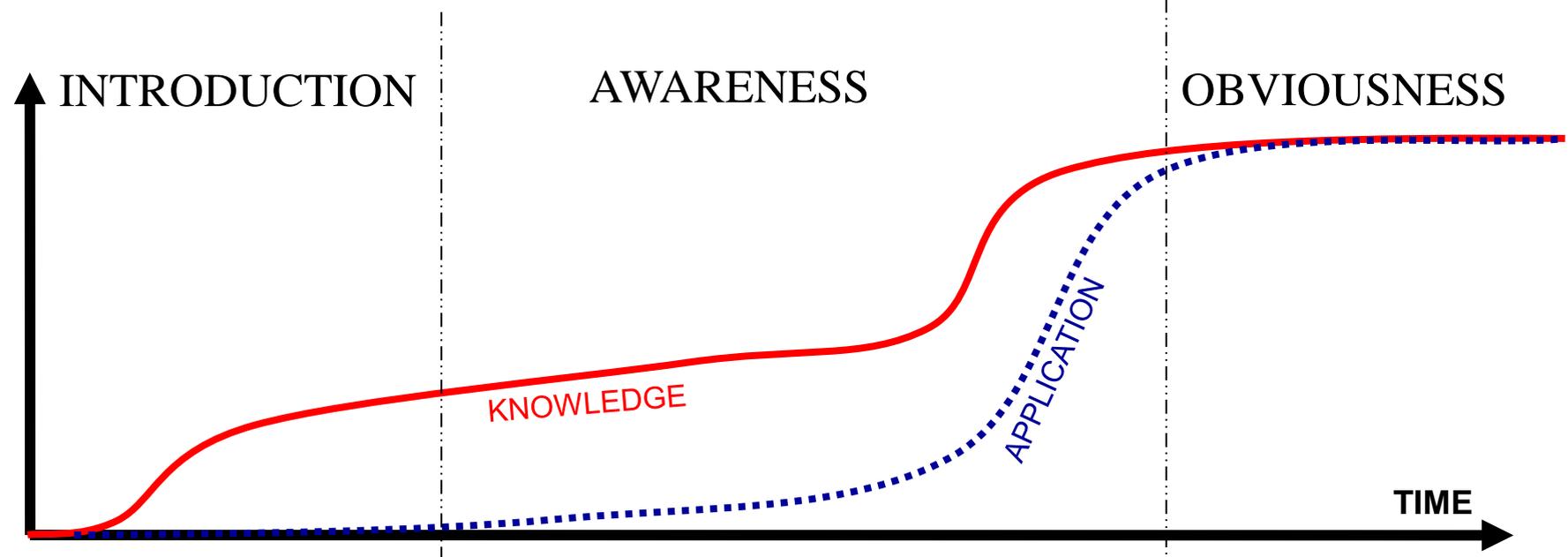
SUSTAINABILITY PATH



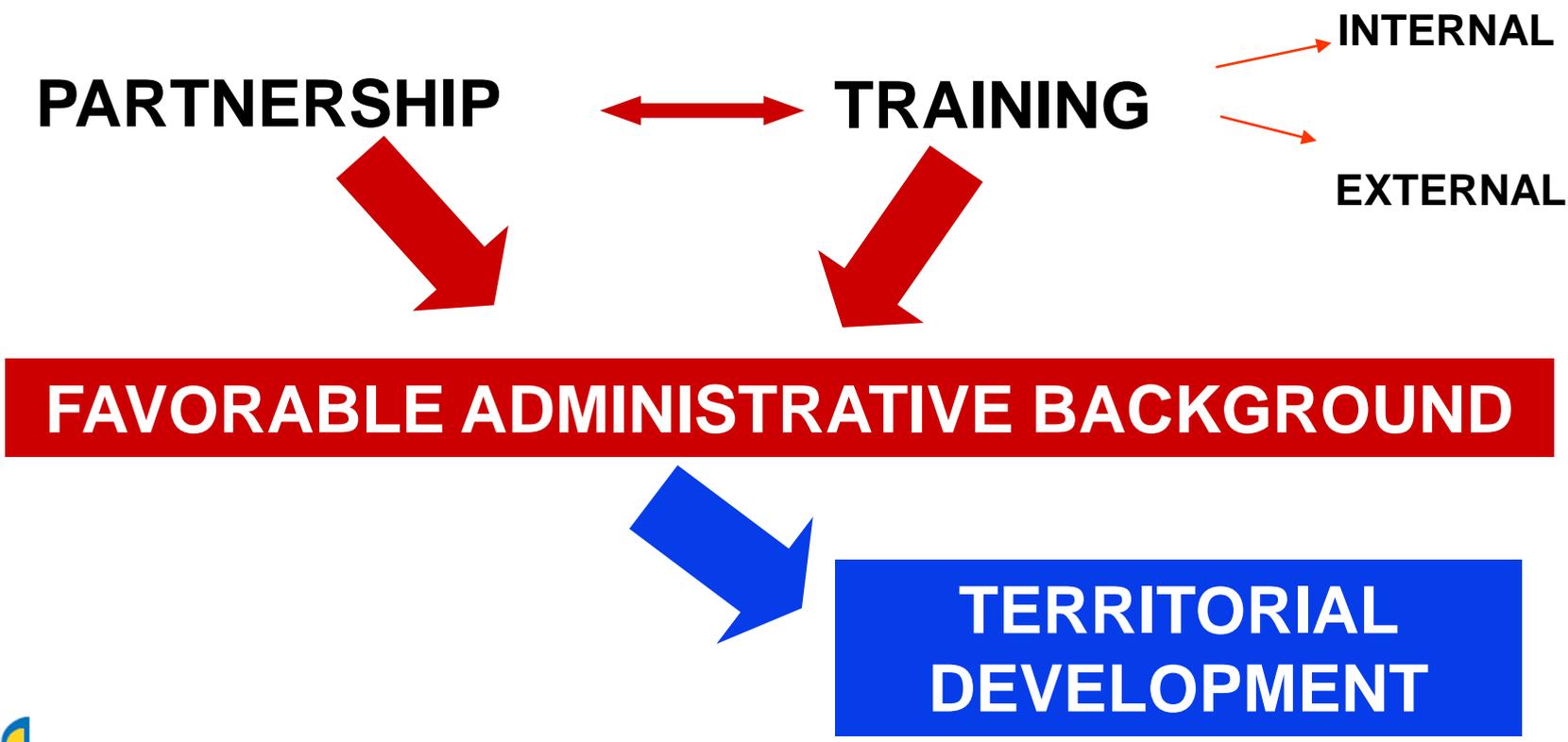
SUSTAINABILITY PATH



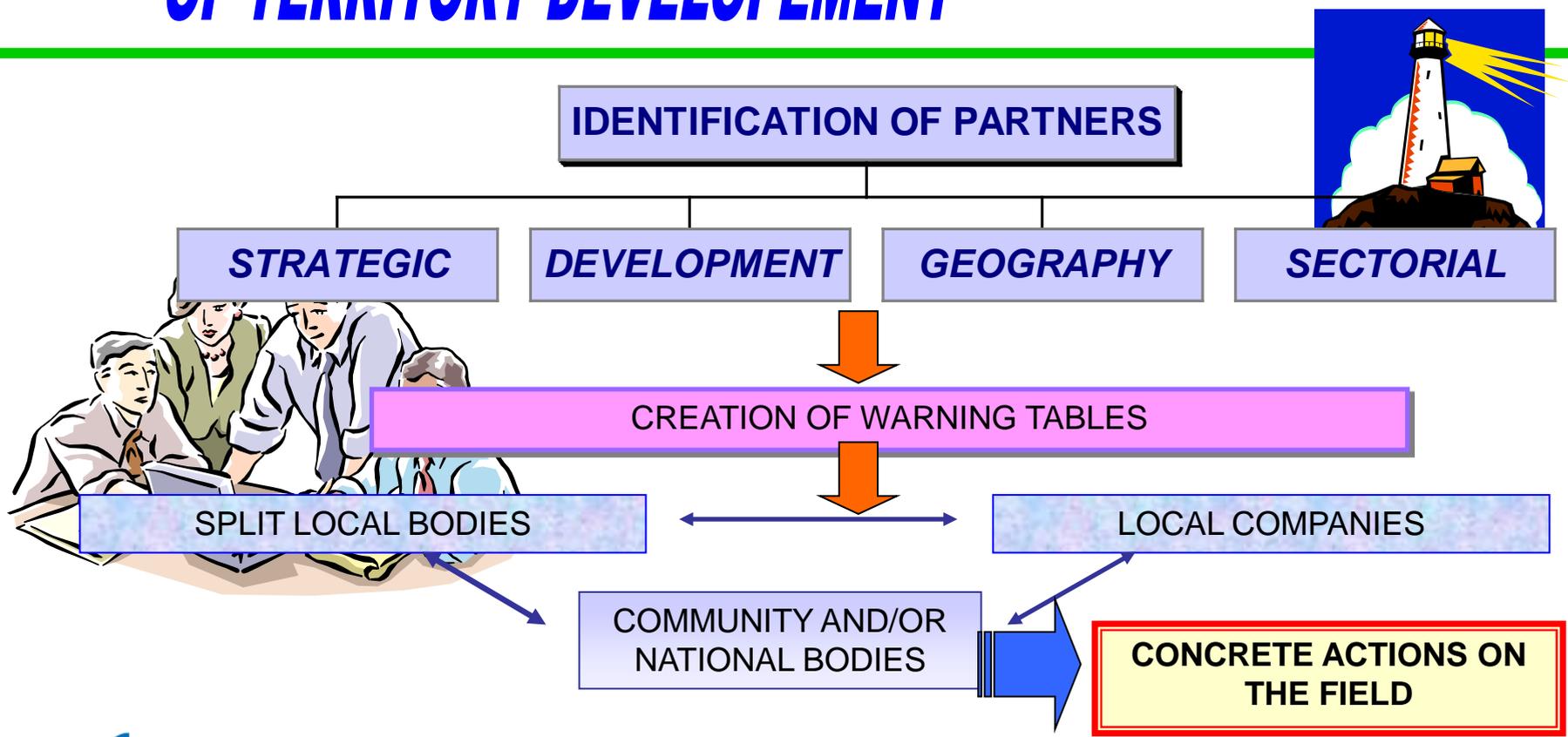
SUSTAINABLE DEVELOPMENT → CULTURAL GROWTH



SUSTAINABILITY PATH



INVESTIGATION ABOUT ACTUAL POSSIBILITIES OF TERRITORY DEVELOPEMENT



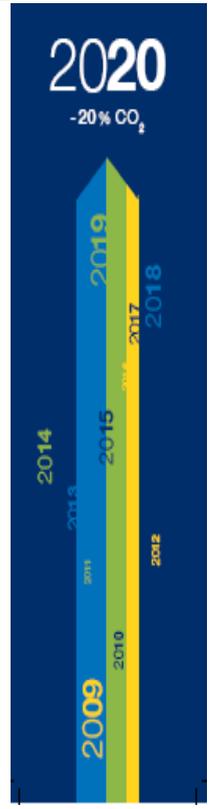
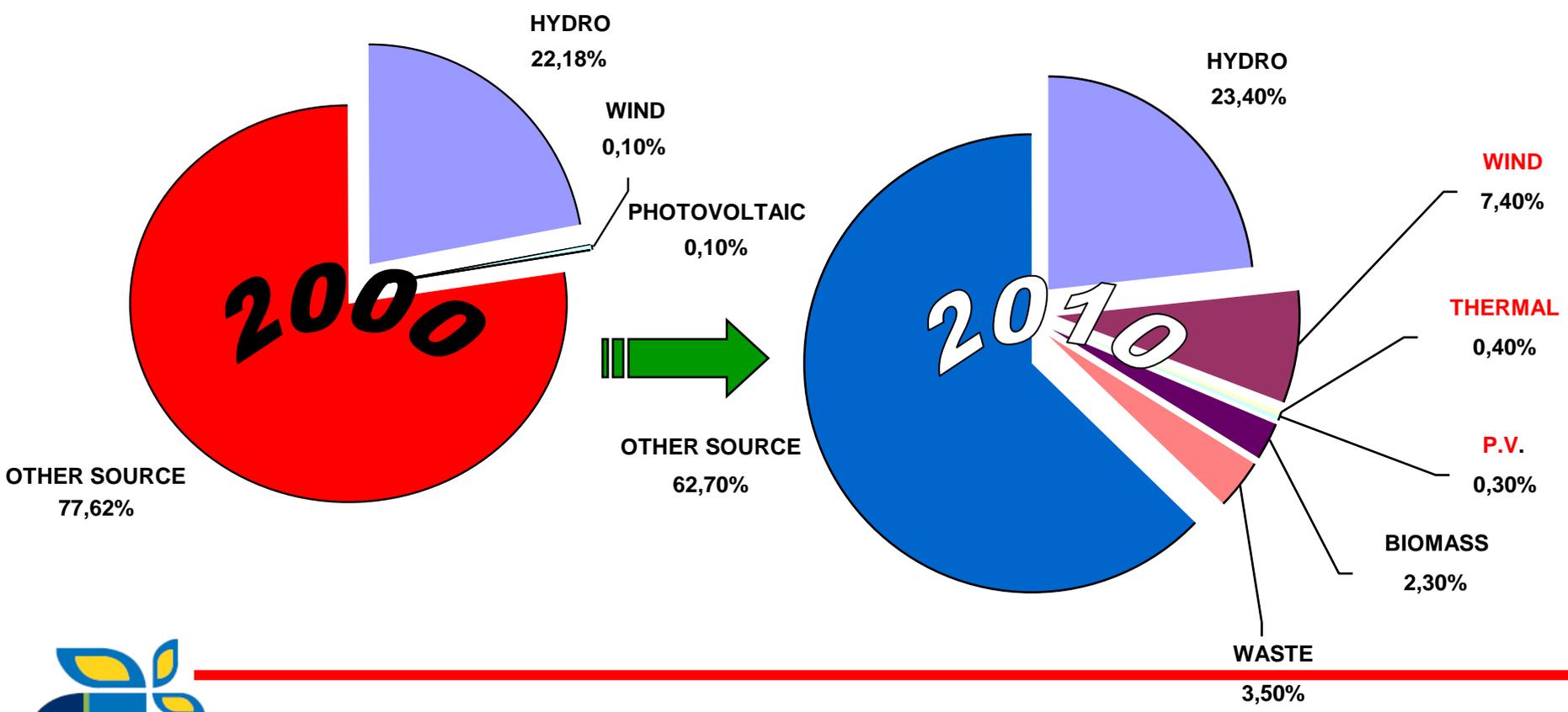
THE FIRST CAMPAIGN - YEAR 2000



CAMPAIGN FOR TAKE OFF CHIETI 104 – Renewable Energetic Source



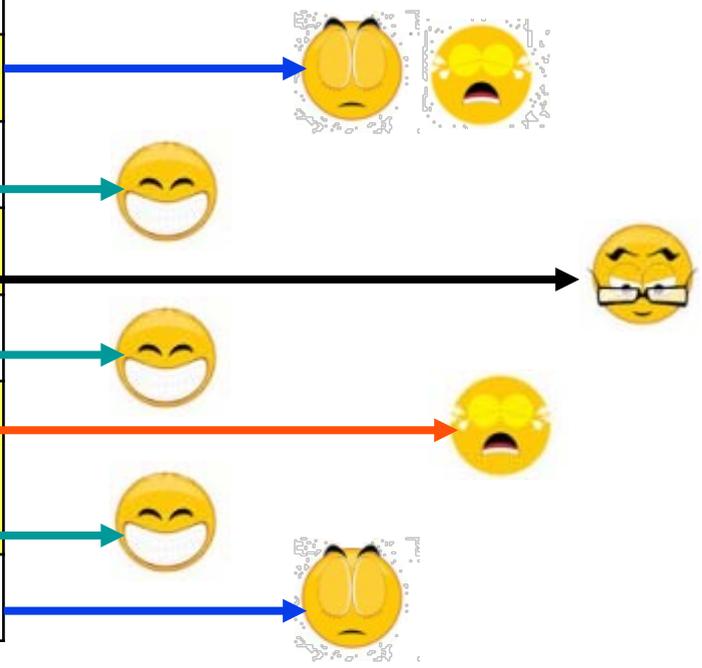
THE ORIGINAL GOALS



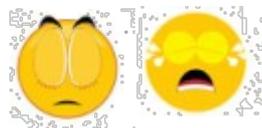
THE SITUATION IN 2008



RES	PRODUCTION
hydro	442,00 GWh
wind	187,00 GWh
thermal	0 GWh
p.v.	1,16 GWh
biomass	0 GWh
biogas	17,59 GWh
waste	0 GWh



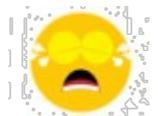
THE SITUATION IN 2008



HYDRO: legislative barriers to build new plants causing of the strong reduction of the rivers water flow (related to multiple uses)



PHOTOVOLTAIC : thanks to the national “feed in tariff” incentive scheme, PV plants increased a lot in the last 5 years (especially on 2010). Considering the strong environmental impact of the big PV plants, it’s preferable to install small PV plants on the roofs.



SOLAR THERMAL: scarce development of ST plants causing of the elevated costs related to low performance.



THE SITUATION IN 2008



BIOMASS: social acceptance still constitutes a high barrier to overcome.



BIOGAS: each landfill (n. 4) has installed the biogas recovery plant for the production of EE and heat



WIND: many wind farms realized in the hinterland of the province of Chieti



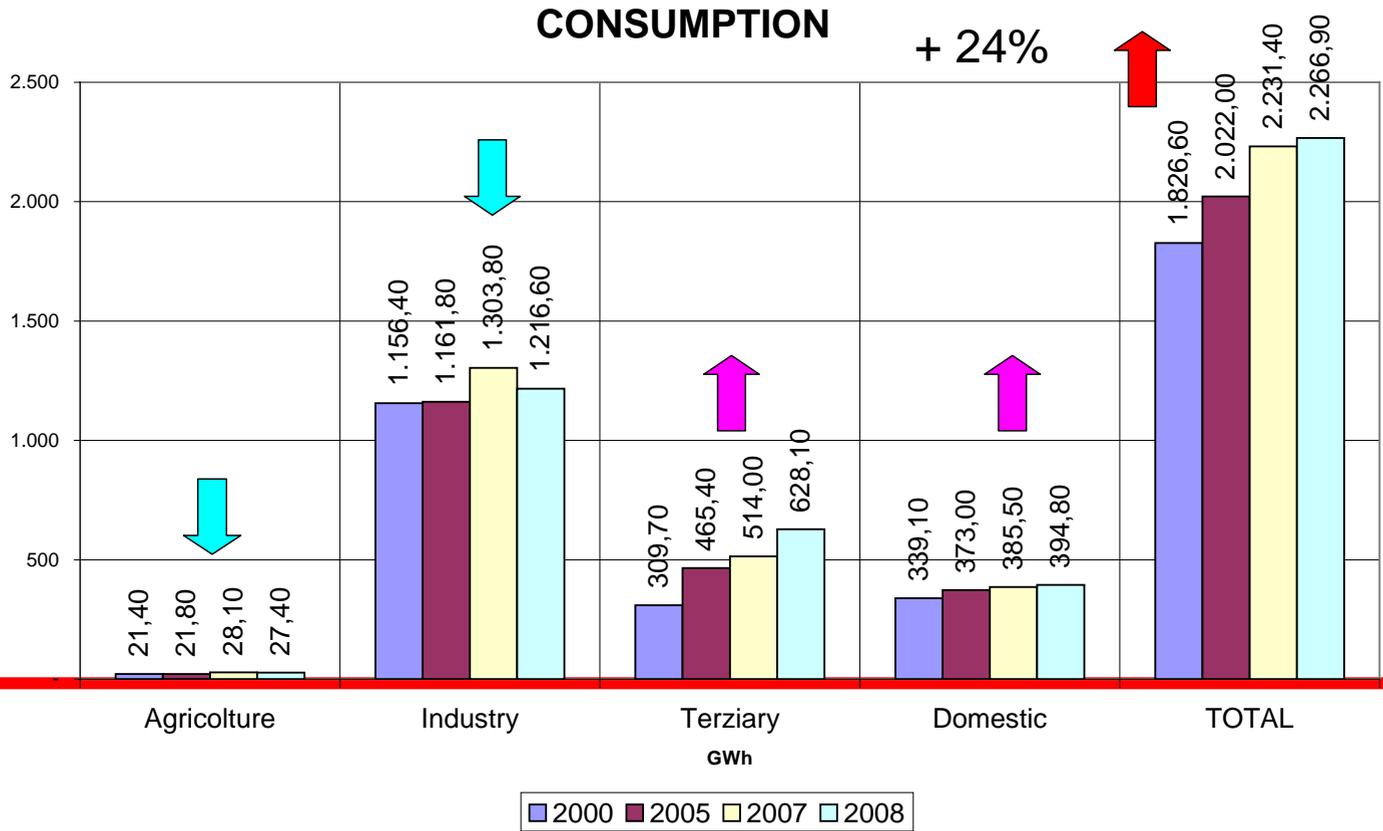
WASTE: It still persist many social and legislative barriers (both at national and regional level). RDF is going to be developed.



THE SITUATION IN 2008



ENERGY EFFICIENCY: Still to be implemented in many sectors of activity, but public awareness is growing



THE SITUATION IN 2008



RES **YEAR 2000** **YEAR 2008**

22,38% → 28,57%

+6,19%
(+35% on 2000)

CONSUMPTION 1.826 GWh → 2.266 GWh

+24,1%

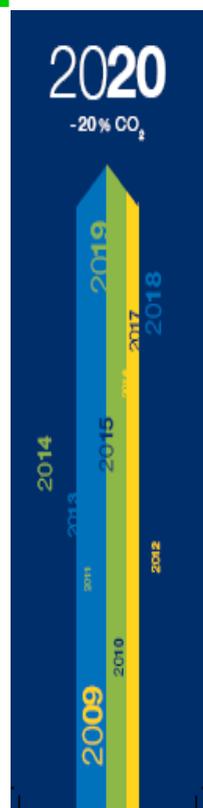


THE NEW COMMITMENT: THE COVENANT OF MAYORS

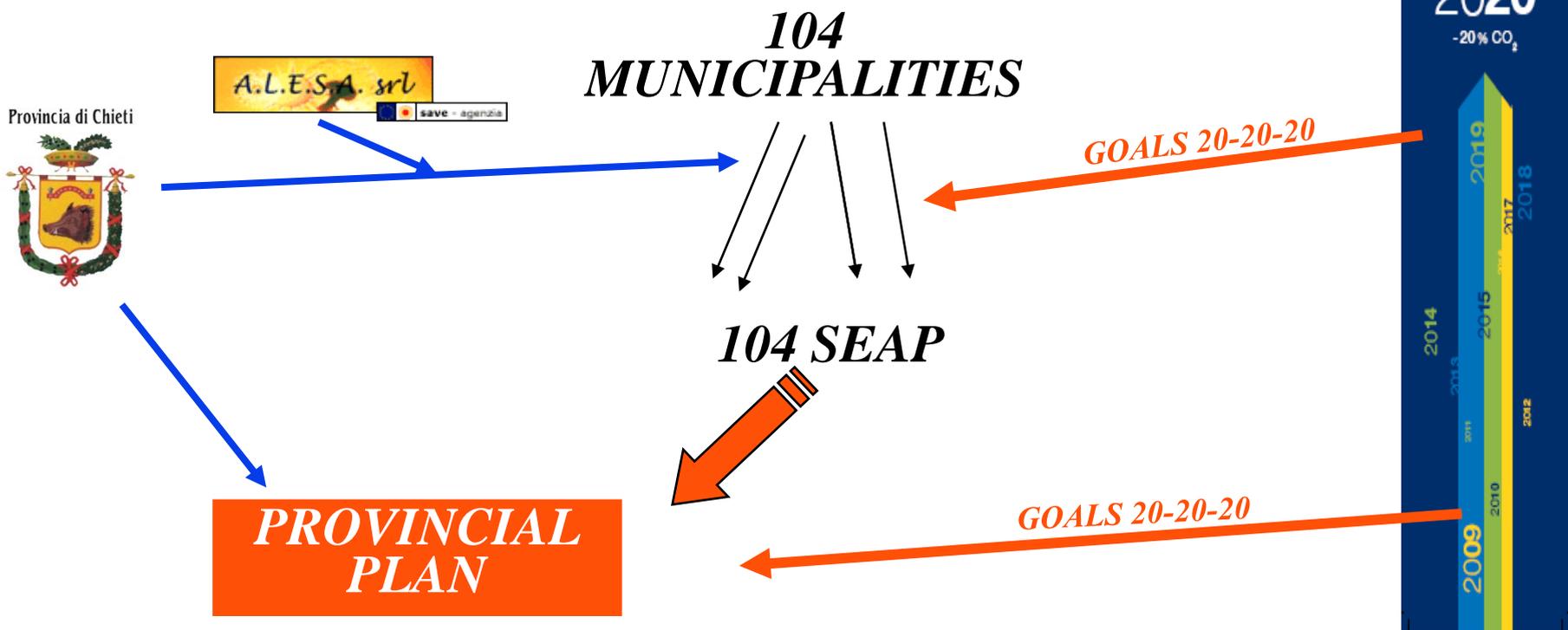


ALL 104 MAYORS HAVE SIGNED THE AGREEMENT

PROVINCE OF CHIETI AND ALESA ARE SUPPORT STRUCTURES



THE NEW COMMITMENT: THE COVENANT OF MAYORS



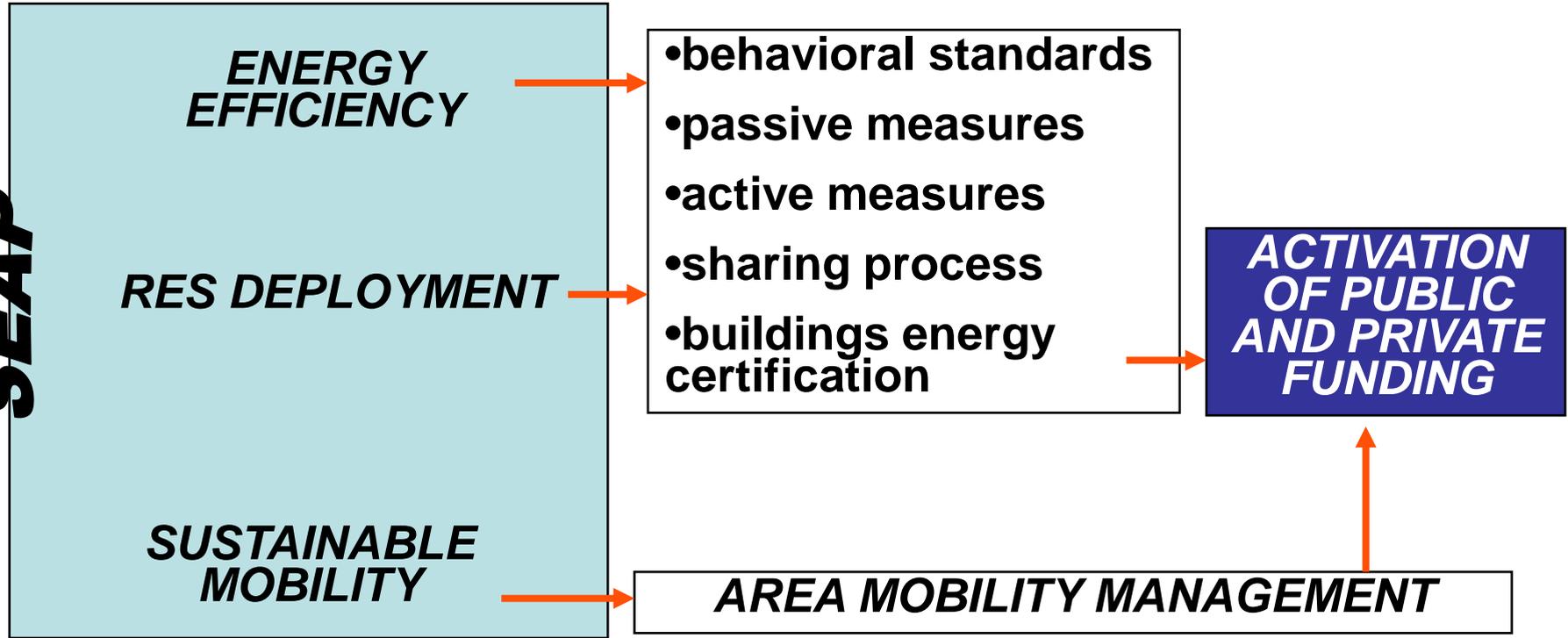
THE NEW COMMITMENT: THE COVENANT OF MAYORS



THE NEW GOALS



SEAP



THE FIRST STEP



Risparmio energetico
Provincia di Chieti

ELENA

PV Plants in public buildings through “Third Party Financing”- establishment of public-private partnership to realize PV plants totally granted by private companies on public roofs, developing financing schemes based on the intervention of a local bank with the support of the national “feed in tariff” incentive scheme.

Energy Service Contract in public buildings – heat and electric energy management in public buildings through the partnership with energy service companies, able to realize energy efficiency interventions without costs for the LA.



CONCLUSIONS

**DEPLOYMENT OF SUSTAINABLE ENERGY
IS POSSIBLE AT LOCAL LEVEL
AND THE “COVENANT OF MAYORS”
IS A GREAT TOOL IF WE USE IT
WITHOUT LIMITATION**

THANK YOU FOR THE ATTENTION

