

JLU Giessen, SEPA 09

The Solarplan: The EU, the Union for the Mediterranean and the Member States

Political and Institutional Hurdles

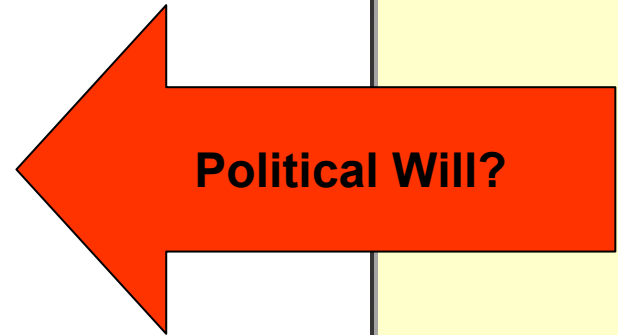
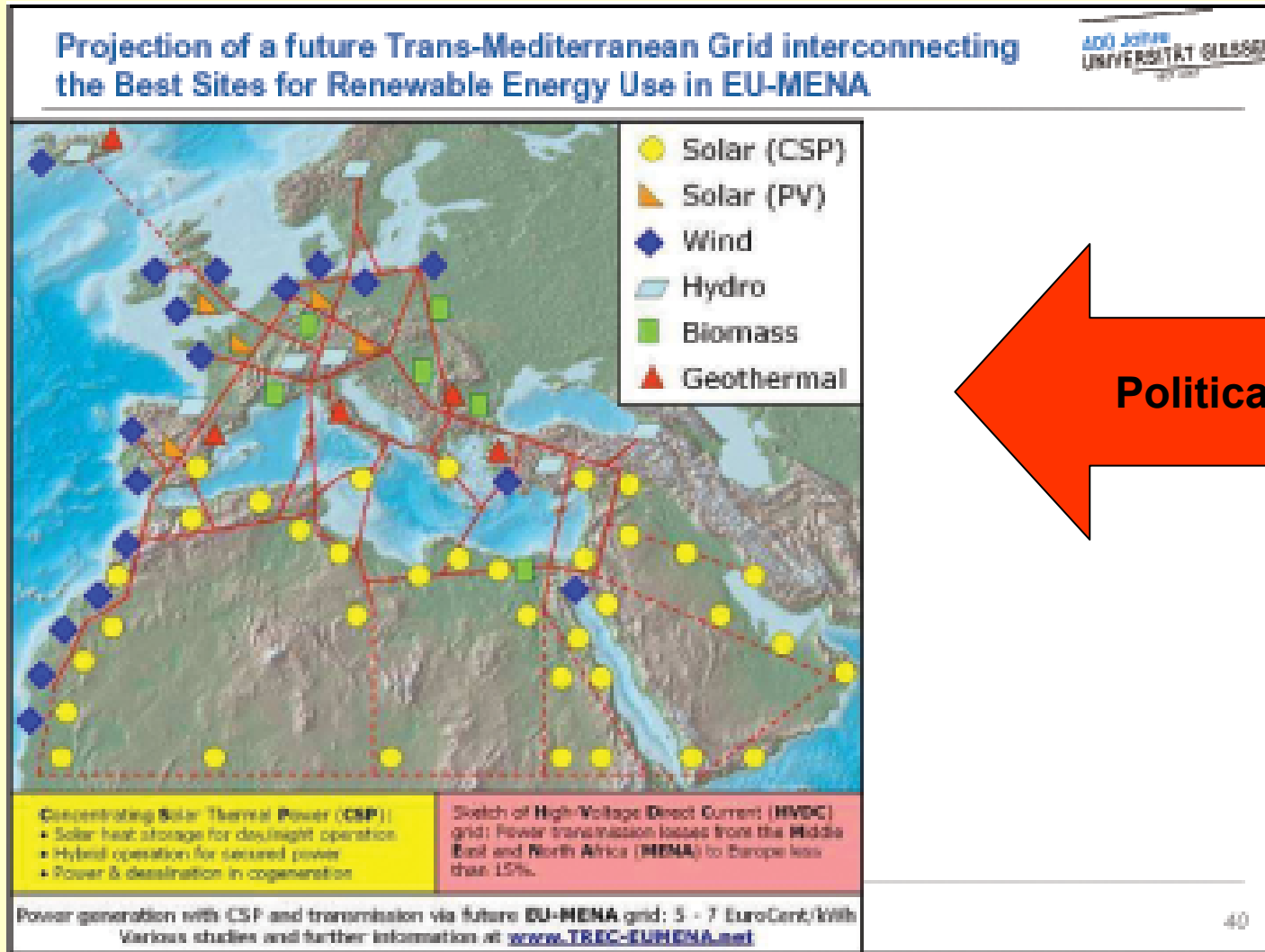
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1. The Idea and the Plan

The Idea behind...



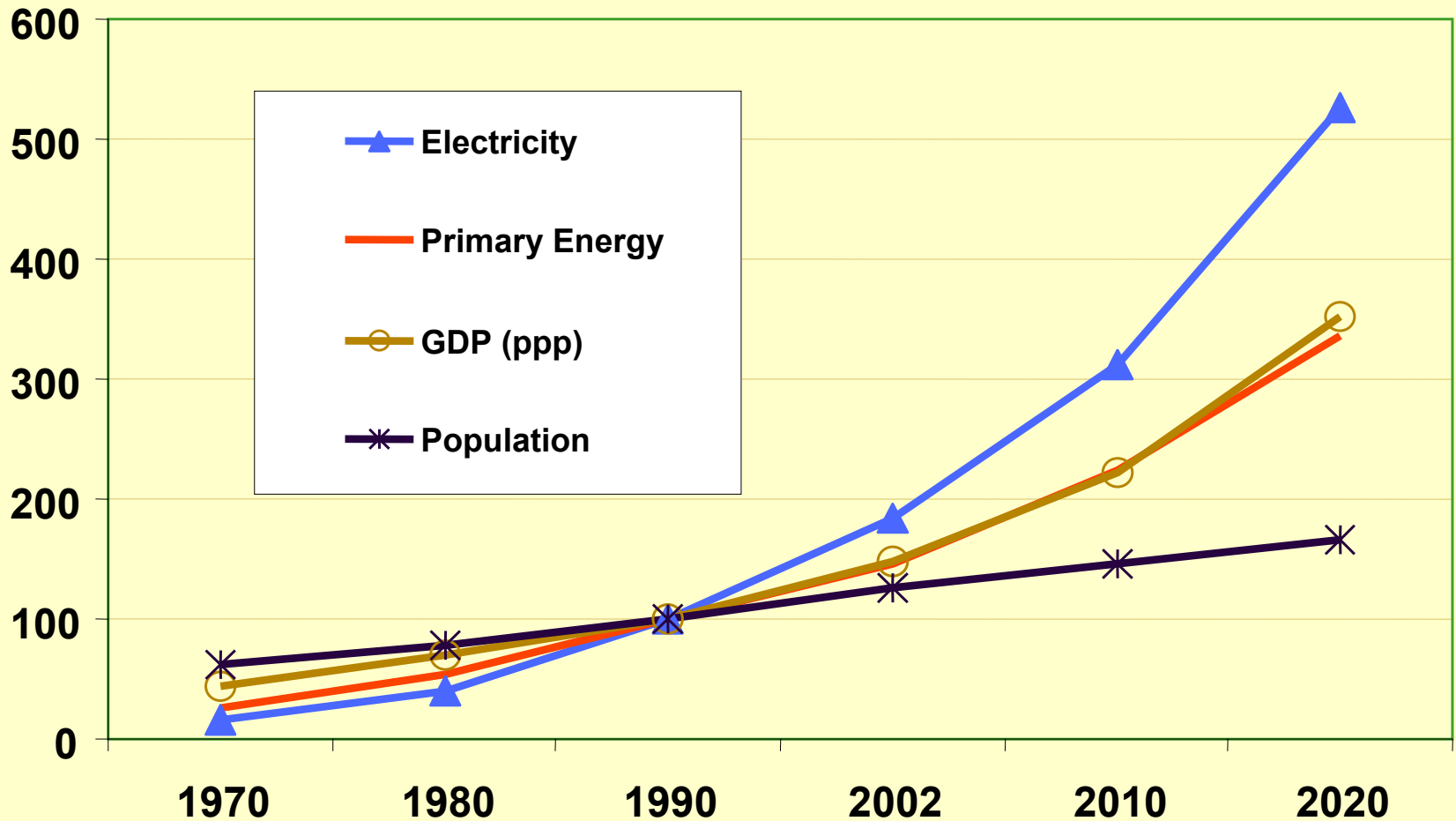
... and the Plan

Union for the Mediterranean (July 2008)

« Mediterranean Solar Plan »

-> 20 GW RE (mainly Solar) in the SEMCs by 2020

SEMCs : Evolution of socio-economic & energy indicators (1990 = index 100)



➤ Primary Energy Demand is expected to increase by 70 % in the next 20 years (87% fossil fuel based)

High complementary between Europe and SEMCs

EUROPE

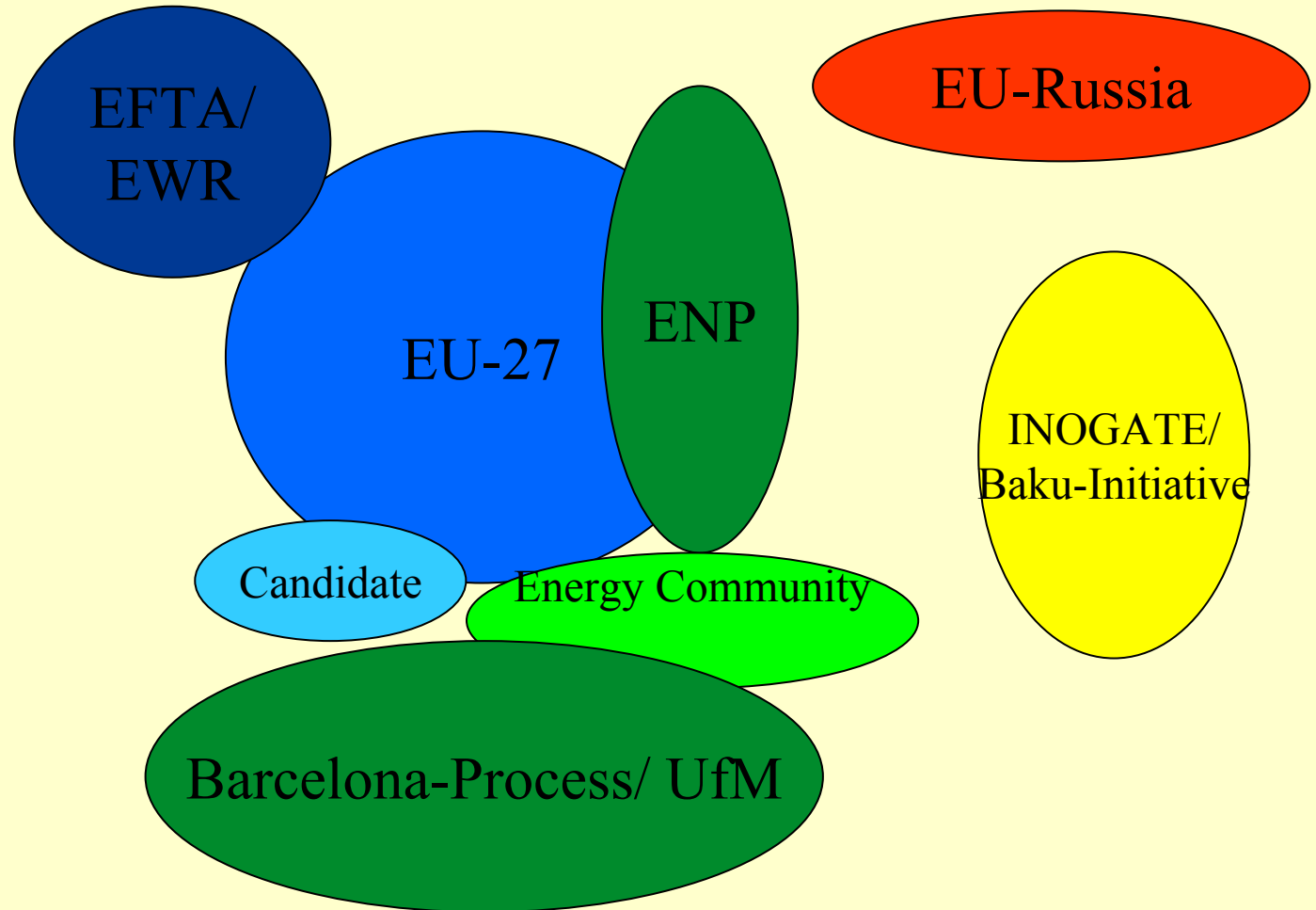
- high GDP/capita
- huge and increasing energy needs
- few energy resources
- high availability of capital and technology



SEMCs

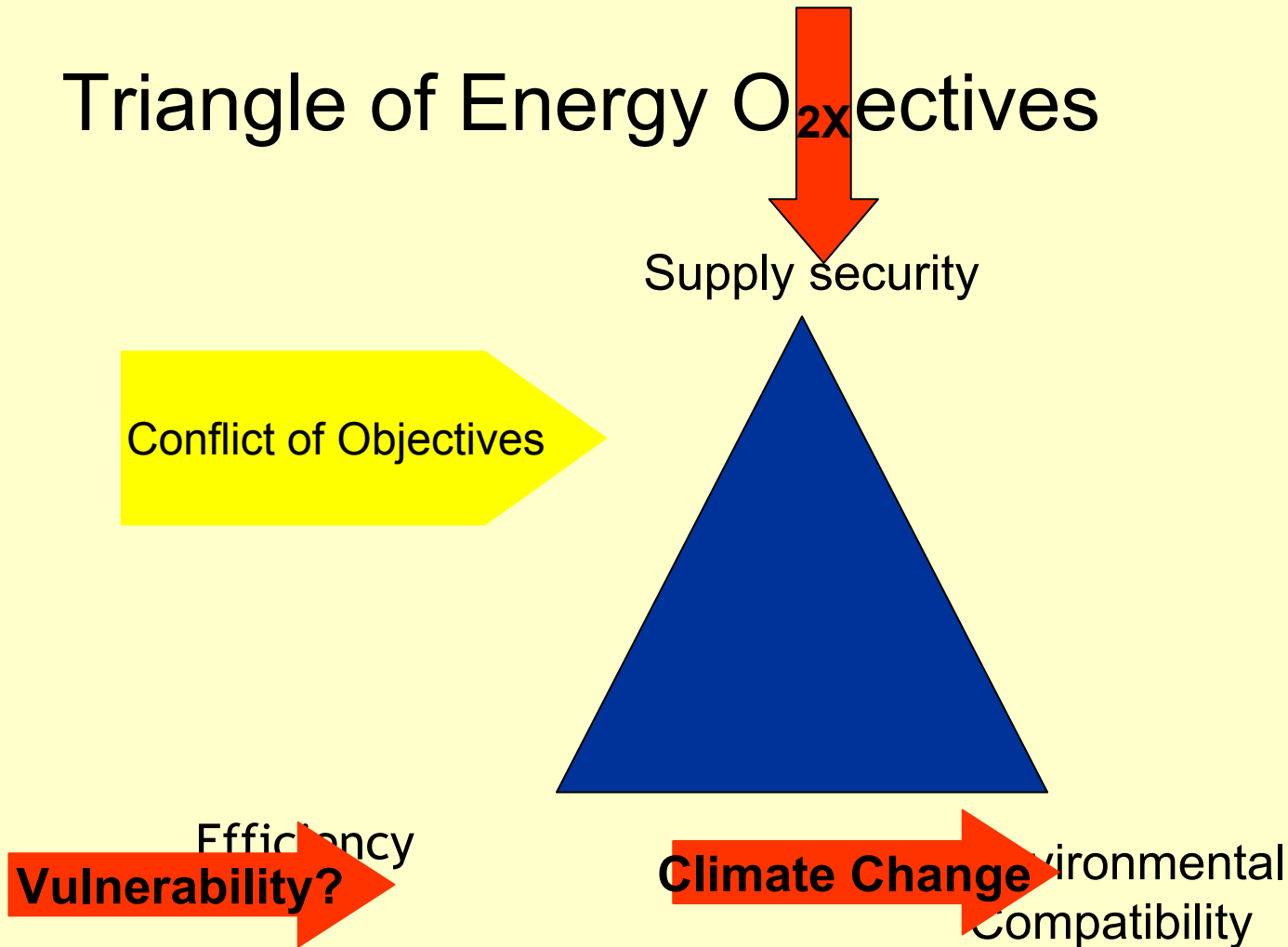
- low GDP/capita but huge need for socio economic development
- high hydrocarbon and renewable resources
- constraints on financing
- low availability of capital and technology

Energy Related Governance Initiatives



2. Strategic Triangle and Possible Pay-Offs

Triangle of Energy Objectives



But: Set of single decisions

... Pay-offs expected

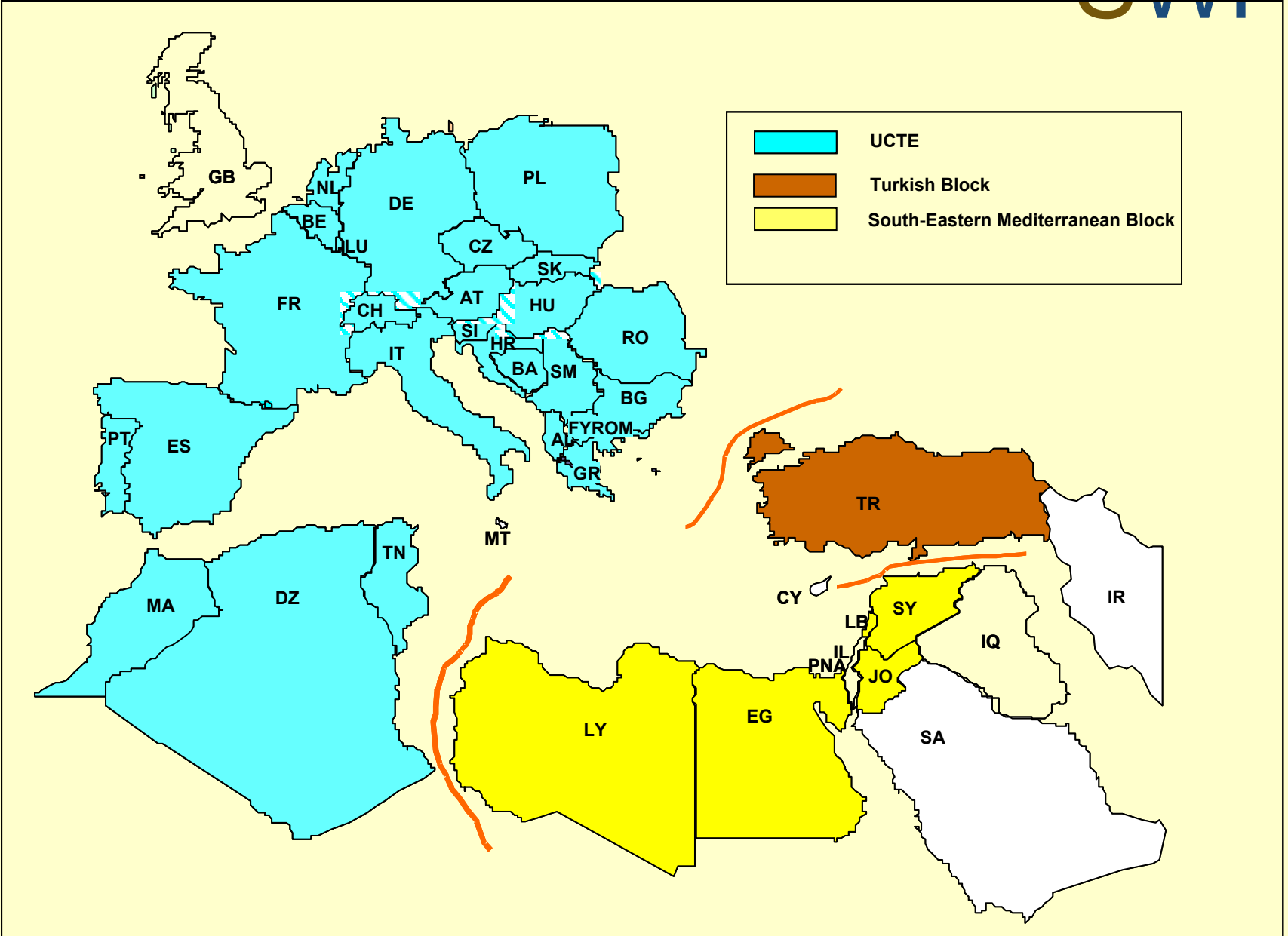
- 20+20+20 - 2050 Reduction by 80 % ?
- Transition to low carbon economy
- Sustainable Energy Security that is „undivisible+collective“
- Reducing Economic Vulnerability
- Sustainable Development
- „A Secure Europe in a Better World“

.....State of Art?

THE EXISTING ELECTRICITY INTERCONNECTIONS IN THE MEDITERRANEAN



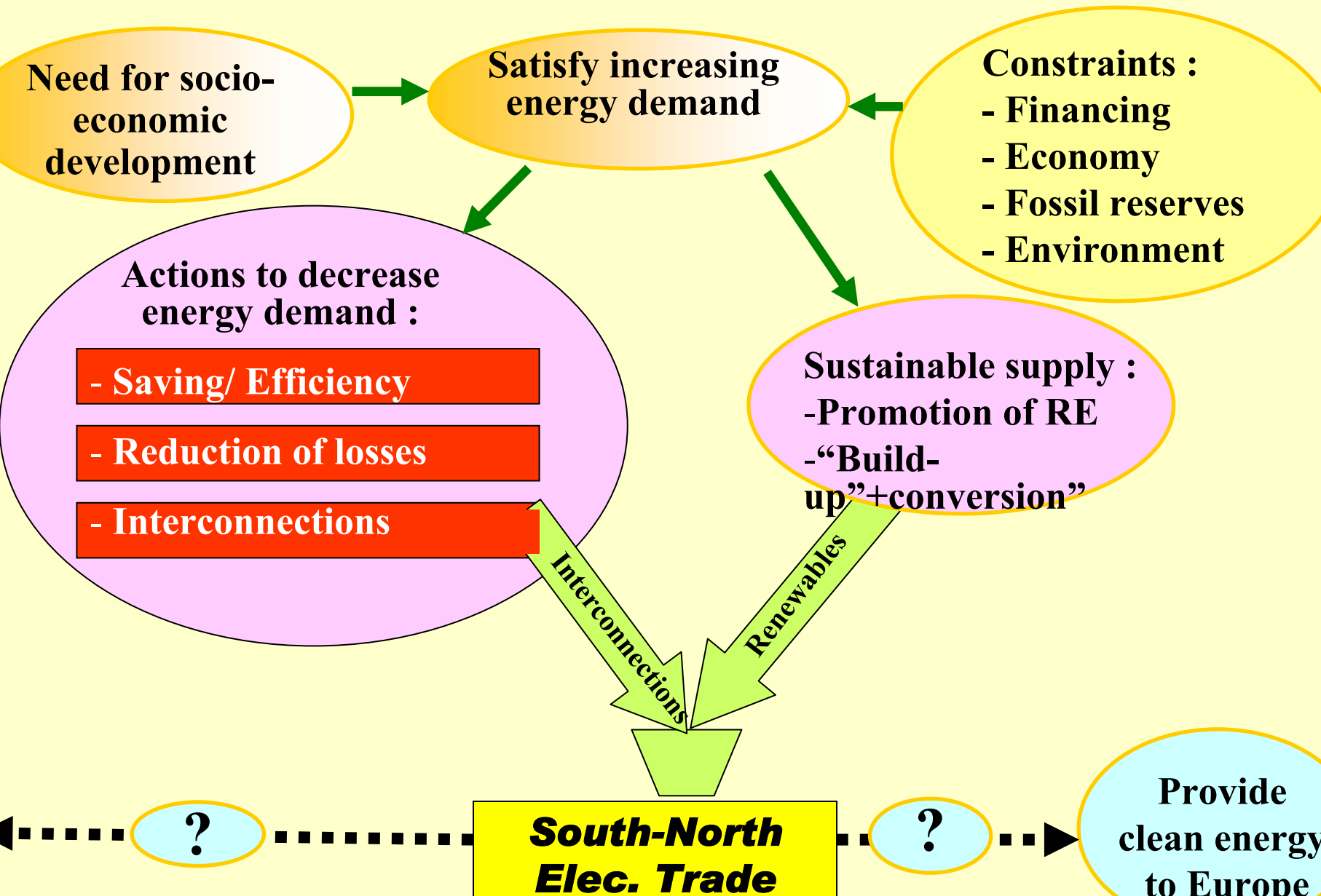
UCTE Network & Electrical interconnections in Mediterranean



4. The SEMCs

Challenges and Opportunities

SWP



Hurdles and Obstacles

Implementation requires political will!

- „Resource curse“ „stranded resource rents“
- Political resistance: domestic/ foreign
- Difficult Cooperation
- Regulated energy prices/ subsidies
- Investment climate & state domination

5. The EU and the Member States

EU and the strategic triangle

- Dominance of domestic measures and demand management
 - Internal market and liberalization
 - 20+20+20
 - No common (external) energy policy
 - „National Energy Champions“ „Sovereignty over Energy Mix“
-
- Conflicting Objectives – No Convergence between Regulatory Paths!
 - Conflicting Concepts – Commercial calculations vs. „public good“
 - Politics prevailing over policies

6. Conclusions

Conclusions 1:

Global Level:

- IEA WEO „Energy System at its crossroads“
- Financial crisis: „Window of opportunity“ + justice for further generations

Conclusions 2:

EU-SEMCs:

- Market Integration and Solidarity
- „Common Green Electricity Market“
(Infrastructure plus Regulation) in the EU-27+
- Convergence of Regulation Paths
(„Copenhagen“)
- Road Map and Master Plan (pillars for bridges)
- „Europeanization of energy policies“

Thanks for Your Attention!