



# **BETTER WP3: EU-North Africa Case Study**

Franz Trieb

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## WP3 Goals:

Assess the potential of the 4th cooperation mechanism in helping Europe to achieve its RES-E targets and to trigger the faster implementation of RES electricity projects in North Africa by 2020 and beyond.

**BETTER**

**“Bringing Europe and Third countries  
closer Together through Renewable Energies”**



## WP 3.1 Inventory of RES-E in NA countries (PIK):

3.1.1: Energy system characterisation and RES-E deployment

3.1.2: Energy policy framework

3.1.3: Present barriers for RES-E market introduction and expansion

3.1.4: Regional grid capacity



### Methodology:

Gather data from partners, literature research and stakeholder consultation on present electricity system, trends and expansion plans.

## WP 3.2 Prospects for RES-E expansion in NA (OME):

3.2.1: Renewable energy potentials and related costs

3.2.2: Demand development scenarios and load curves

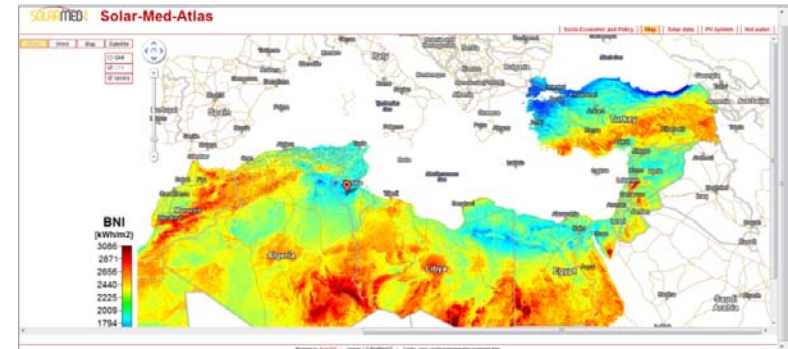
3.2.3: RES-E policy targets (2020/2050) from national viewpoint

3.2.4: Estimated framework development

3.2.5: Technically and economically feasible RES deployment scenarios

3.2.6: Environmental and socio-economic impact assessment

Methodology: Base data and scenarios are discussed with stakeholders and feedback is requested through informal contacts and workshops.



## WP 3.3 Prospects for RES-E exports from NA to EU (DLR):

3.3.1: Grid technology characterisation

3.3.2: Technical framework conditions

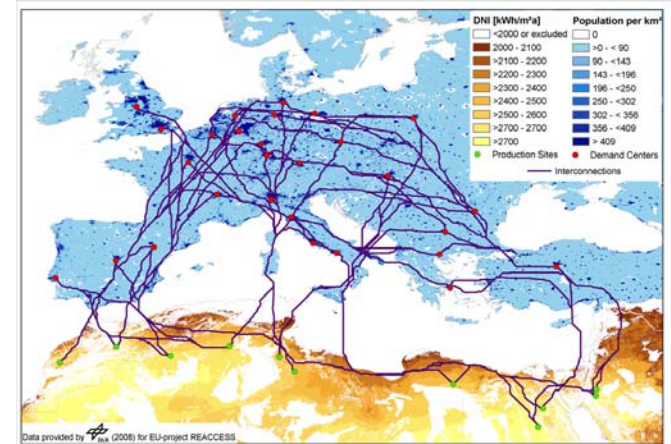
3.3.3: Role of RES-E imports in Europe

3.3.4: Investments required for infrastructure

3.3.5: Technically and economically feasible RES export scenarios

3.3.6: Environmental and socio-economic impact assessment

Methodology: Base data and scenarios are discussed with stakeholders and feedback is requested through informal contacts and workshops.





## WP 3.4 Role and design of a Cooperation Mechanism (DLR):

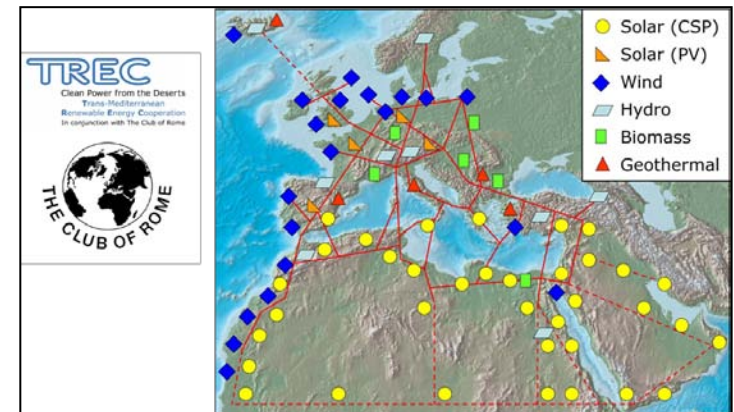
3.4.1: Economic framework conditions for RES-E integration in NA

3.4.2: Economic framework conditions for RES-E exports from NA to EU

3.4.3: Compatibility with other instruments

3.4.4: Design of the mechanism

3.4.5: Role of the cooperation mechanism  
from host country perspective



Methodology: Case studies for specific technologies in NA about concrete steps for project development. Modelling and stakeholder dialogue.

## WP 3.5 SWOT analysis EU-NA and energy security (PIK):

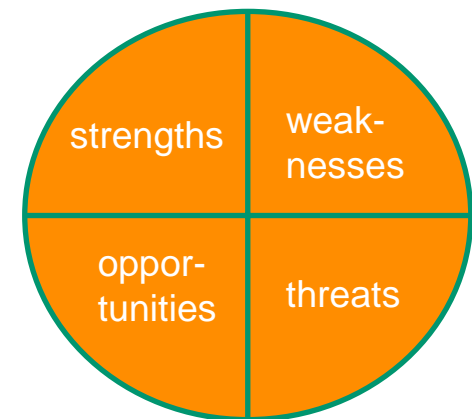
3.5.1: Analysis of energy security risks related to the mechanism

3.5.2: Analysis of the weaknesses related to the mechanism

3.5.3: Analysis of the strengths related to the mechanism

3.5.4: Analysis of the opportunities related to the mechanism

Methodology: Comprehensive SWOT analysis with early engagement of local stakeholders.



## **WP 3.6 NA case study report outputs (DLR):**

1. Potential of the 4th cooperation mechanism to achieve EU RES targets
2. Potential of the 4th cooperation mechanism to trigger RES-E use in NA
3. Action plan for integration of high shares of RES-E in NA
4. Action plan to tap solar energy for export of flexible power to Europe
5. Economic and political implication of EUNA HVDC links
6. Co-benefits and synergies from 4th cooperation mechanism
7. Evaluation of overlap with other financial incentives
8. Identification of socio-economic impacts and benefits
9. Identification of environmental impacts and benefits
10. Information and findings from the NA case study



# WP3 Timelines and Deliverables:

BM1

BM2

RWS

Phase / Duration of the action (in months)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
WP 3 - EU-North Africa Case study																														
Task 3.1. Inventory of RES-E in NA countries																														
Task 3.2. Prospects for RES expansion in NA countries (bottom-up assessment)																														
Task 3.3. Prospects for RES exports from NA to EU																														
Task 3.4. Role and desing of the cooperation mechanism																														
Task 3.5. SWOT analysis EU-na with Energy Security Assessment																														
Task 3.6. Preparation of a case study report for WP3																														

D3.1

D3.2

D3.3

D3.4

D3.5

D 3.1: Report on power system inventory E, T, M (L, A)

D 3.2: Report on future RES(-E) prospects in NA

D 3.3: Report on future RES(-E) prospects for export from NA to EU

D 3.4: Report about security aspects of RES(-E) imports from NA to EU

D 3.5: Final report on EU-NA Case Study

BM1: Bilateral Meeting Morocco

BM2: Bilateral Meeting Tunisia/Algeria

RWS: Regional Workshop



## WP3 Regional risks from political stability and support:

Morocco: stable, modernization, national RES-E plan, MASEN, projects

Algeria: stable, dialogue, recent RES-E plan

Tunisia: new government, strong dialogue, certain interest in RES

Libya: recent elections, stability and interest in RES unclear

Egypt: recent elections, stability and interest in RES unclear

Risk:  
Low  
Medium  
High



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closer **T**ogether through Renewable **EneR**gies”



**Thank you!**

