



EUROPEAN TECHNOLOGY & INNOVATION
PLATFORM ON WIND ENERGY

REserviceS

A pan European research
project success story

Lessons learned from
participation

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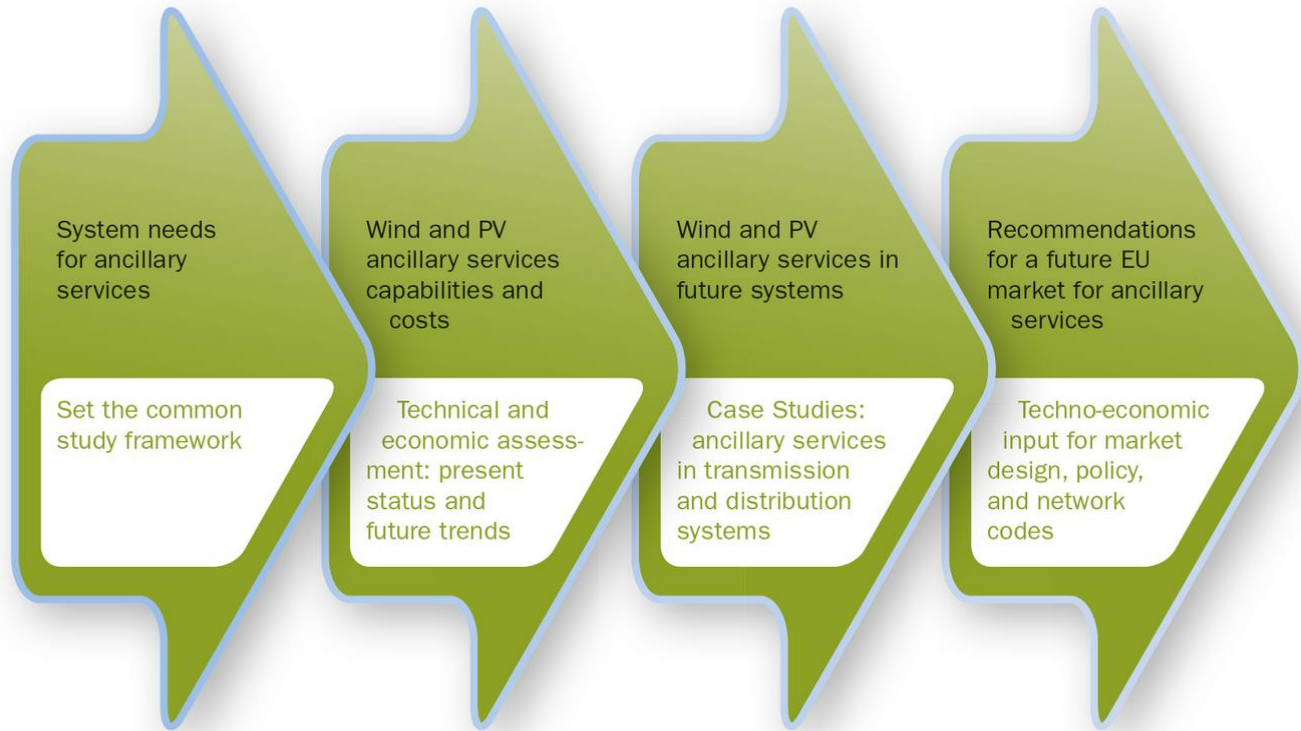
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The REservices Project



REserviceS (Economic grid support from variable renewables) was the first study to investigate wind and solar based grid support services at EU level.



The REserviceS Project



REserviceS has provided technical and economic guidelines and recommendations for the design of a European market for ancillary services, as well as for future network codes within the Third Liberalisation Package.

REserviceS was funded under the EU FP7 program and ran from Q2 2012 to Q3 2014

Please see also www.reservices-project.eu

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Why did GE took part in REserviceS?

- Relevant topic at the right time
 - Renewables system integration is key to achieve high and cost efficient RES penetration
 - RES already do provide system services today and will need to provide more at higher RES penetration levels
 - But which and how and within which framework?
 - This will impact design & operation of RES significantly
- REserviceS broke new ground with realistic objectives
- Leveraging lessons learned from RES integration studies in the European context
- IP development was neither planned nor expected.

Why did GE took part in REserviceS?

- GE had the right staff with the needed skillset
 - ... and these resources could be scheduled
- Funding from the EU FP7 funding program
 - Sufficient re amount and schedule
 - Sufficient added value for the business
- The set up of partners in the consortium
 - EU funded projects were new to the set up GE team
 - Most partners with long track record of EU funded projects
 - WindEUROPE as an experienced project coordinator

Lessons learned

- **Complex Rules, complex application**
 - Understand the funding rules fully
 - In case of doubt: Look for external support
 - Run your business case carefully
- **Match internal processes with funding rules**
 - Fully understand the degree of freedom in the rules
- **Project coordination**
 - Large project with 14 partners over several WPs needed good coordination
 - Well align with your project partners

Lessons Learned con'd

- Plan your resources well
 - Project Coordination
 - Dissemination of results
 - Reporting and its deadlines
 - Archiving information
- Manage resources well to fulfill your commitments on time
 - Plan for project management role
 - Carefully manage budget and schedule
 - Prepare for audit
 - How can overhead be minimized?

Summary and Conclusions

- REserviceS had the right team for this project
 - Look for the right partners and ...
 - ... get full alignment.
- Large projects with long run time drive needs for coordination
 - For each partner
 - For the consortium by a strong coordinator
 - How much efficiency can be gained by having smaller projects?

Summary and Conclusions

- FP7 was the right R&I funding program for the goals of the REserviceS project
 - Project goals matched with the funding rules
 - Enabled a project the partners could not have worked on in such a way as in this R&I project.
 - Incentivize performance in future funding programs?
- Fully understand the funding rules
 - Especially if the program is new for your team
 - Consider external help
- Unbureaucratic funding rules fast & transparent approval processes make EU funding programs attractive.



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Thanks for your attention



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