

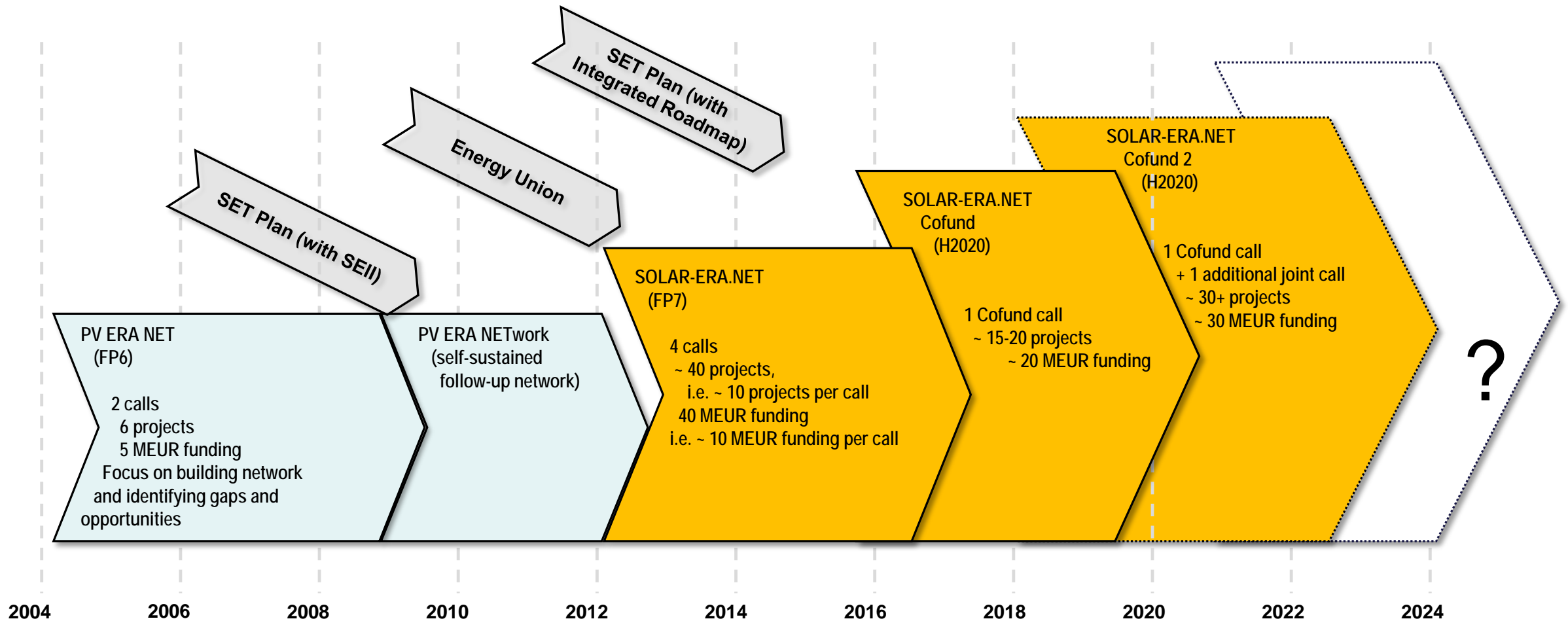
European cooperation in Photovoltaics Facts, Lessons Learned and Outlook

Stefan Nowak, Managing Director
NET Nowak Energy & Technology, Switzerland
Coordinator of SOLAR-ERA.NET

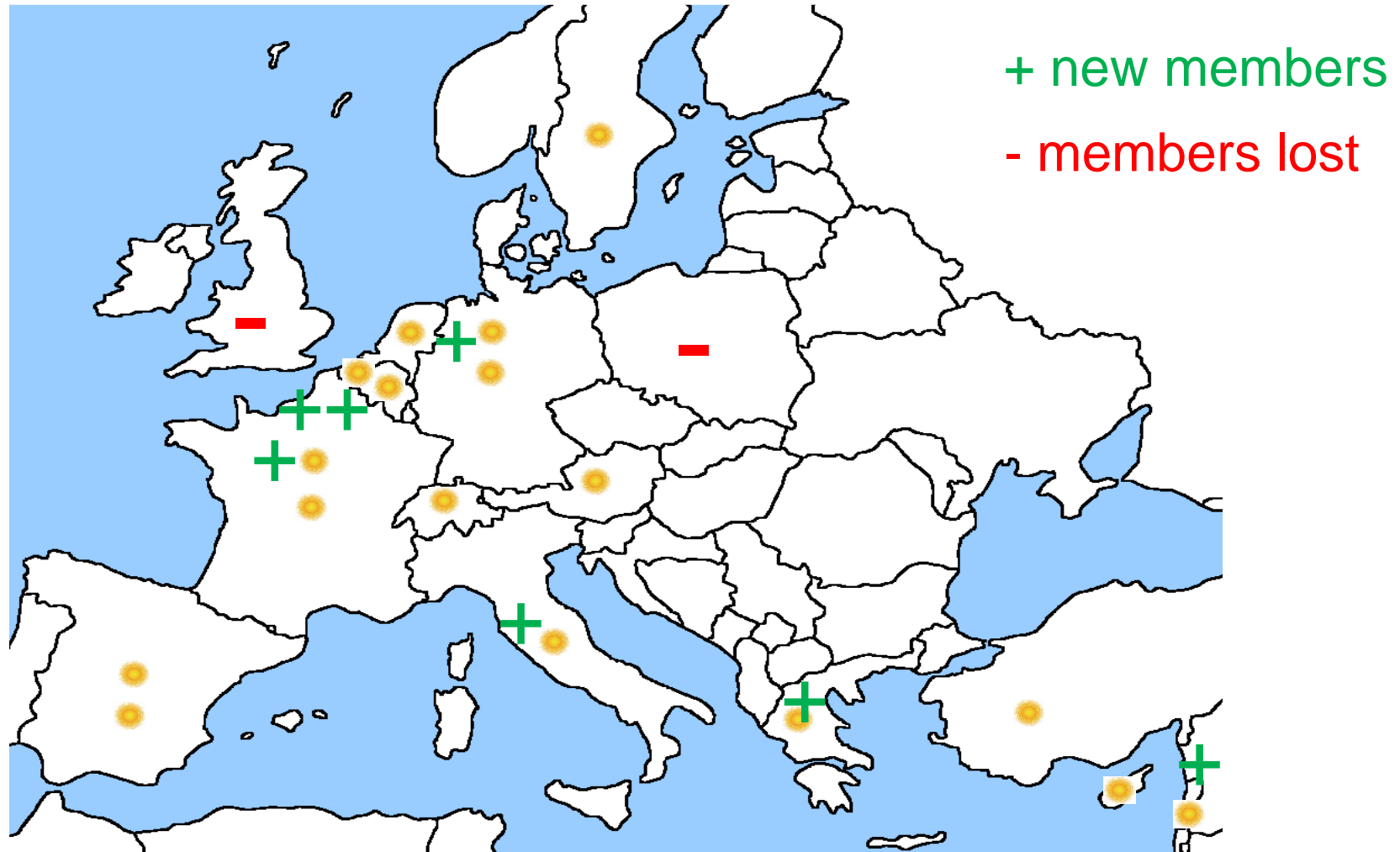
A dramatic, low-angle shot of a sailboat race. The boat is tilted significantly to the right, cutting through the water. Crew members are wearing red and grey racing gear, some are standing on the deck, others are leaning over the side. The boat's hull is blue with a yellow Rolex logo and the number '18'. The background shows other sailboats and a cloudy sky. The overall mood is intense and competitive.

PV – a race against what ?

A long track record of European cooperation in PV and CSP



Consortium



Recent activities and achievements: some figures

Global figures:

- Overall 6 joint calls over 6 years, different support schemes
- 283 preproposals and 144 full proposals submitted
- 80 projects running or about to start
- 408 partners involved in projects (multiple counting)
- 100 MEUR project volume incl. 68 MEUR funding

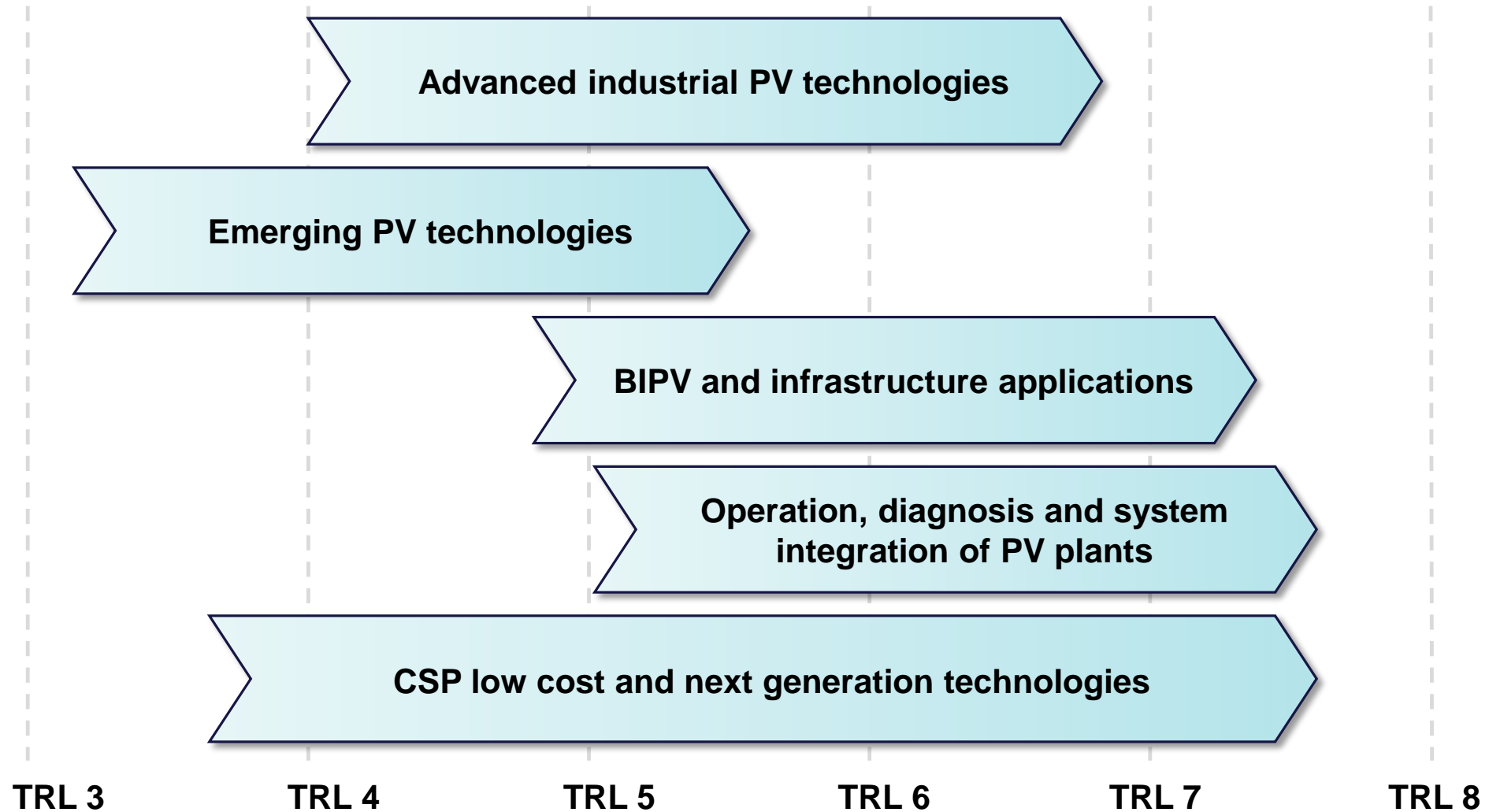
Typical project:

- 3 – 5 partners from 3 – 4 countries
- 1,2 MEUR project volume (of which 0,8 MEUR public funding)

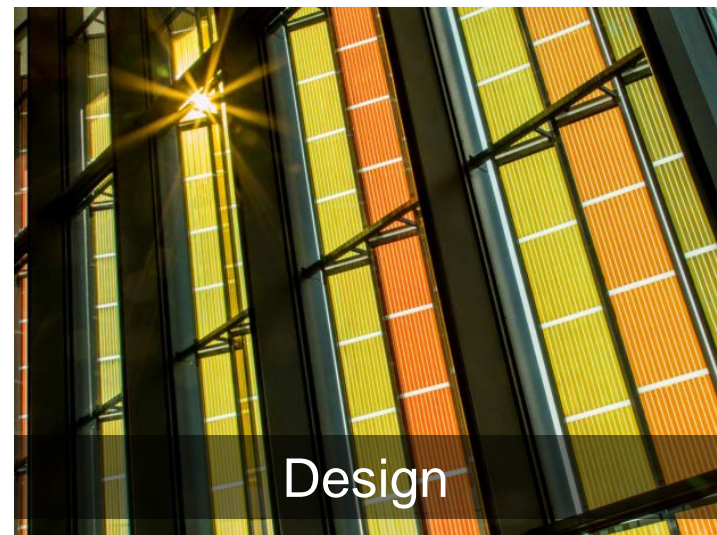
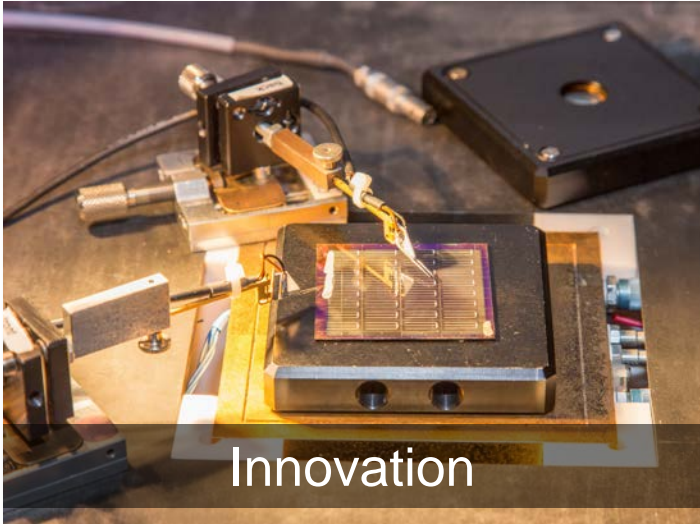
Next Joint Call (preliminary information - tbc)

- Launch: 7 October 2019
- Funding agencies involved: **Austria** FFG, **Belgium-Flanders** VLAIO, **Cyprus** RIF, **Germany** PtJ + NRW, **Greece** GSRT, **Israel** MoE, **The Netherlands** RVO, **Spain** AEI + CDTI, **Sweden** STEM, **Switzerland** SFOE, **Turkey** Tübitak
- Funding volume: around 10 MEUR
- Stay tuned to www.solar-era.net !

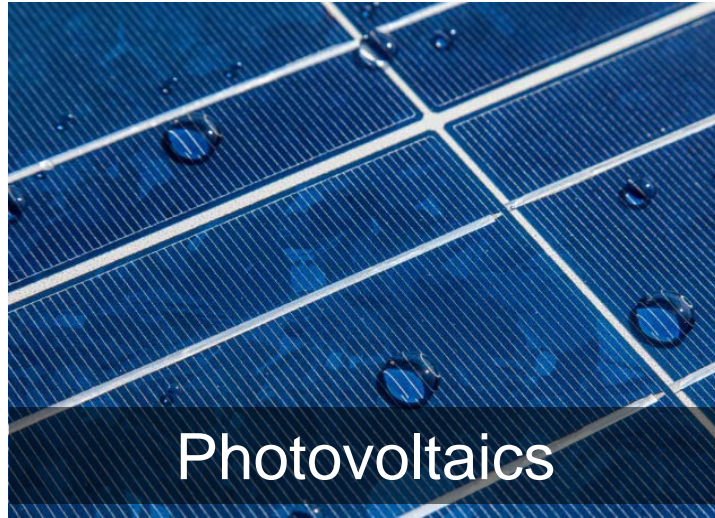
SOLAR-ERA.NET Topics



Key Aspects in a Nutshell



System Dimension



Opportunities

- Stepping stone for international cooperation
- Complementarity between national and EU funded programmes
- Building a more robust and consistent research landscape
- Increasing strengths and reducing weaknesses
- Flexibility and bottom-up nature, no “one size fits all” approach
- Innovative transnational research for medium-sized projects

Added Value and Impact

- Networking and collaboration between countries and agencies across Europe
- Good practice for supporting projects on transnational level
- Common initiatives and implementation activities
- New industry-led innovation opportunities and partnerships
- More transnational cooperation bottom-up / «cut to measure»
- Larger and more diverse portfolio

Can we be satisfied ?

Well...

- Scale of activities does not yet match the challenges
- Adequacy and matching of funding can be improved
- More flexibility in handling administrative procedures and barriers is required

Moreover...

- Increasingly many issues to be tackled beyond technology
- Innovation needed along the entire value chain – from research to the enduser
- Need for comprehensive yet tangible approaches
- Impact can still be strongly enhanced

A few thoughts for the future

- The chances for PV to really matter have never been better
 - for the energy system, for climate change and for future generations
- Bold initiatives are needed, overcoming each organizations/individuals limits
- Embracing all stakeholders becomes crucial
- Collaboration among all actors will accelerate the delivery of our promise
- More trust and true partnerships instead of more procedures and rules
- Enough studies have been written but much more action is needed
- To succeed, we all have to leave the comfort zone and think out of the box
- Because ...

A black and white close-up photograph of Albert Einstein. He is shown from the chest up, wearing a dark suit jacket and a white shirt. His eyes are closed, and his mouth is open in a wide, joyful laugh. His characteristic wild, white hair is visible. The background is dark and out of focus, with some vertical light streaks on the left side.

“No problem can be solved from the same level
of consciousness that created it”

PV – a race against time !

Thank you for your attention

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Partners



Netherlands Enterprise Agency



Ministry of Energy
www.energy.gov.il

