

## STRATEGIC WORKSHOP

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# Benefits of Research Infrastructures beyond Science

The Example of the Square Kilometre Array (SKA)

Parallel Break-Out Groups:

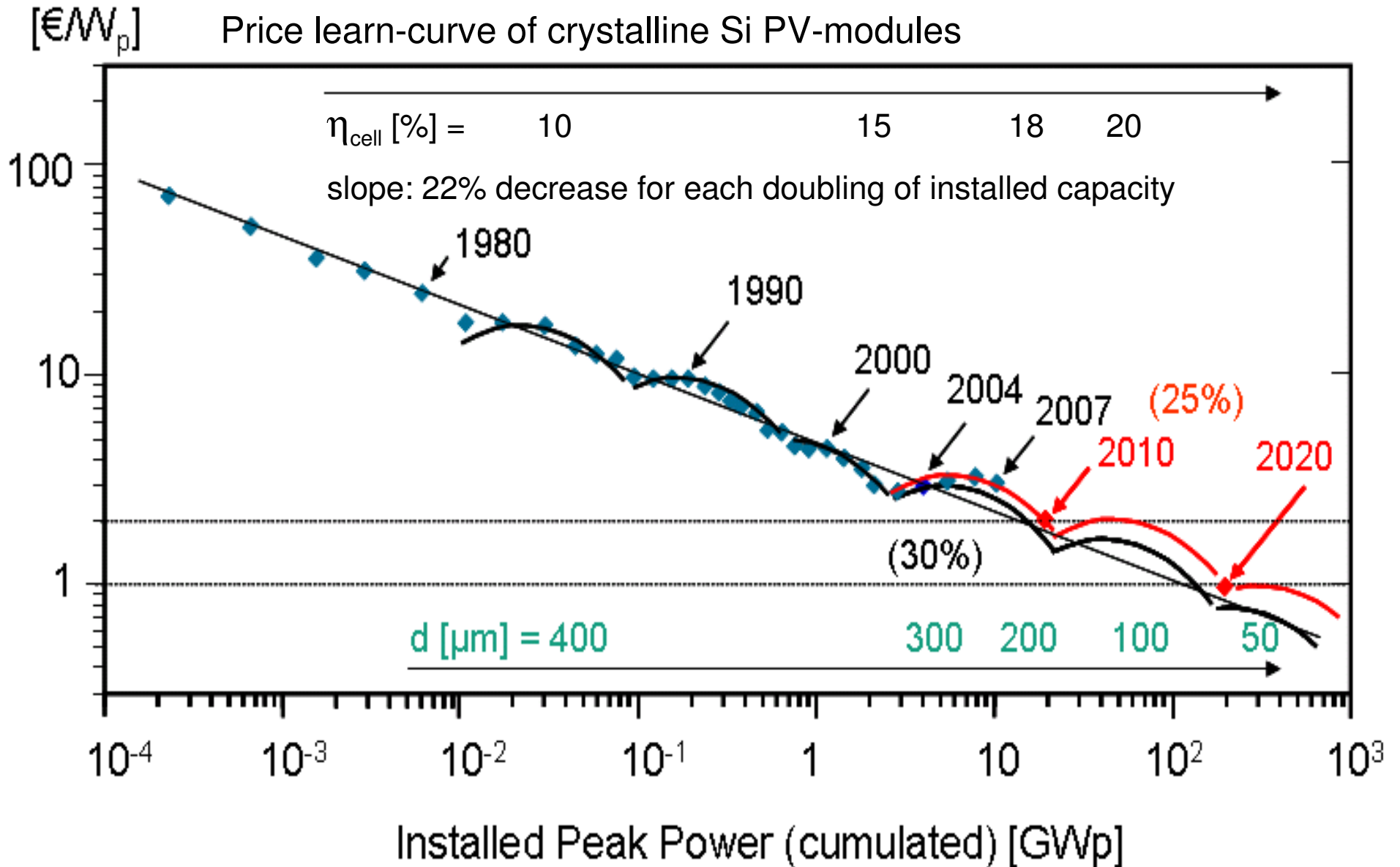
# Green Energy



# Green Energy for SKA

- SKA can be fully powered 24/7 with Renewable Energies (RE)





# SKA—Global Benefits



- SKA will play a global leadership role as an iconic scientific project aspiring to run 24/7 on 100% Renewable Energy (RE);
- SKA will provide an opportunity to create a launch pad for reliable, green power generation in remote areas;
- SKA will drive innovative solutions in generation, distribution, efficiency and demand reduction in a harsh environment.

## SKA—Societal Benefits



- SKA will act as a trailblazer in the implementation of multi-scale, reliable storage and generation solutions through early competitive evaluation;
- SKA will provide employment and education opportunities in implementation of RE;
- SKA will broaden societal awareness of RE.

# SKA—Technical Opportunities



SKA will innovate the:

- Development and competitive evaluation of multi-scale RE power storage solutions;
- RE generation and distribution free of Radio Frequency interference;
- Combination of multi-scale distributed RE sources and storage sites.