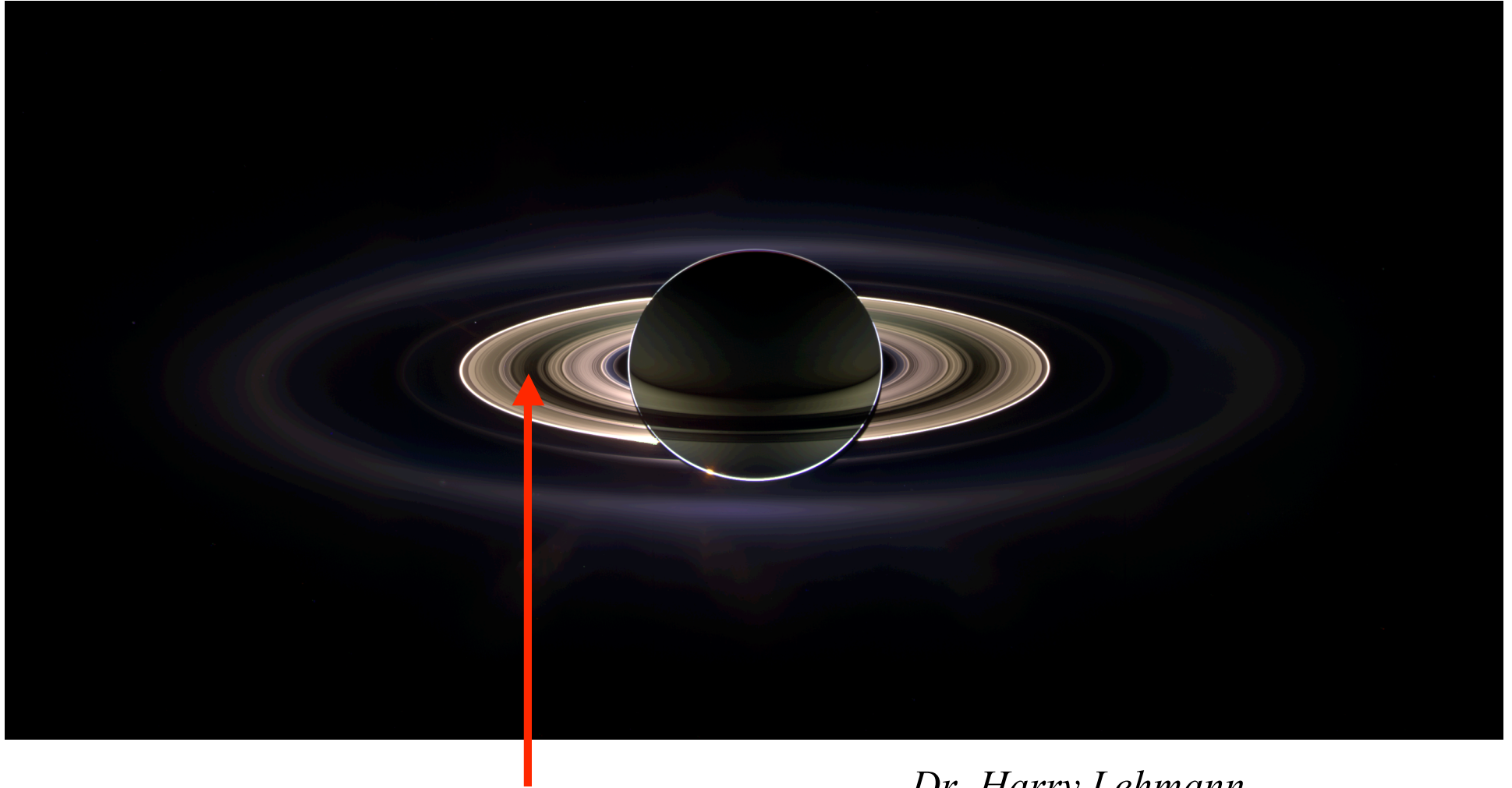


100% energias renovables !

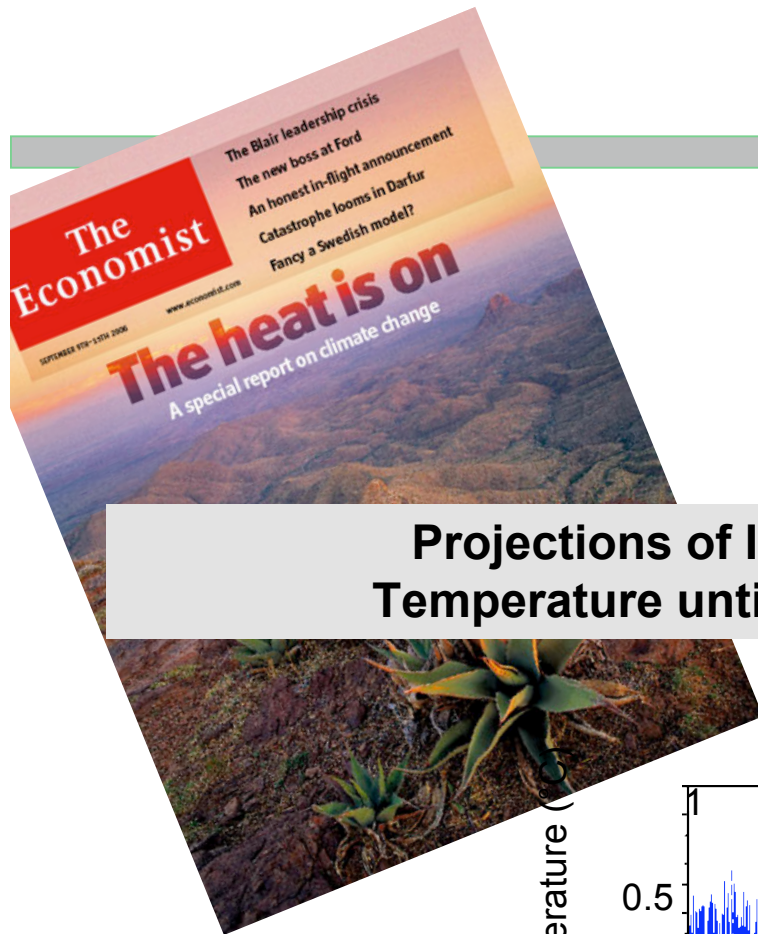


Dr. Harry Lehmann
Umweltbundesamt

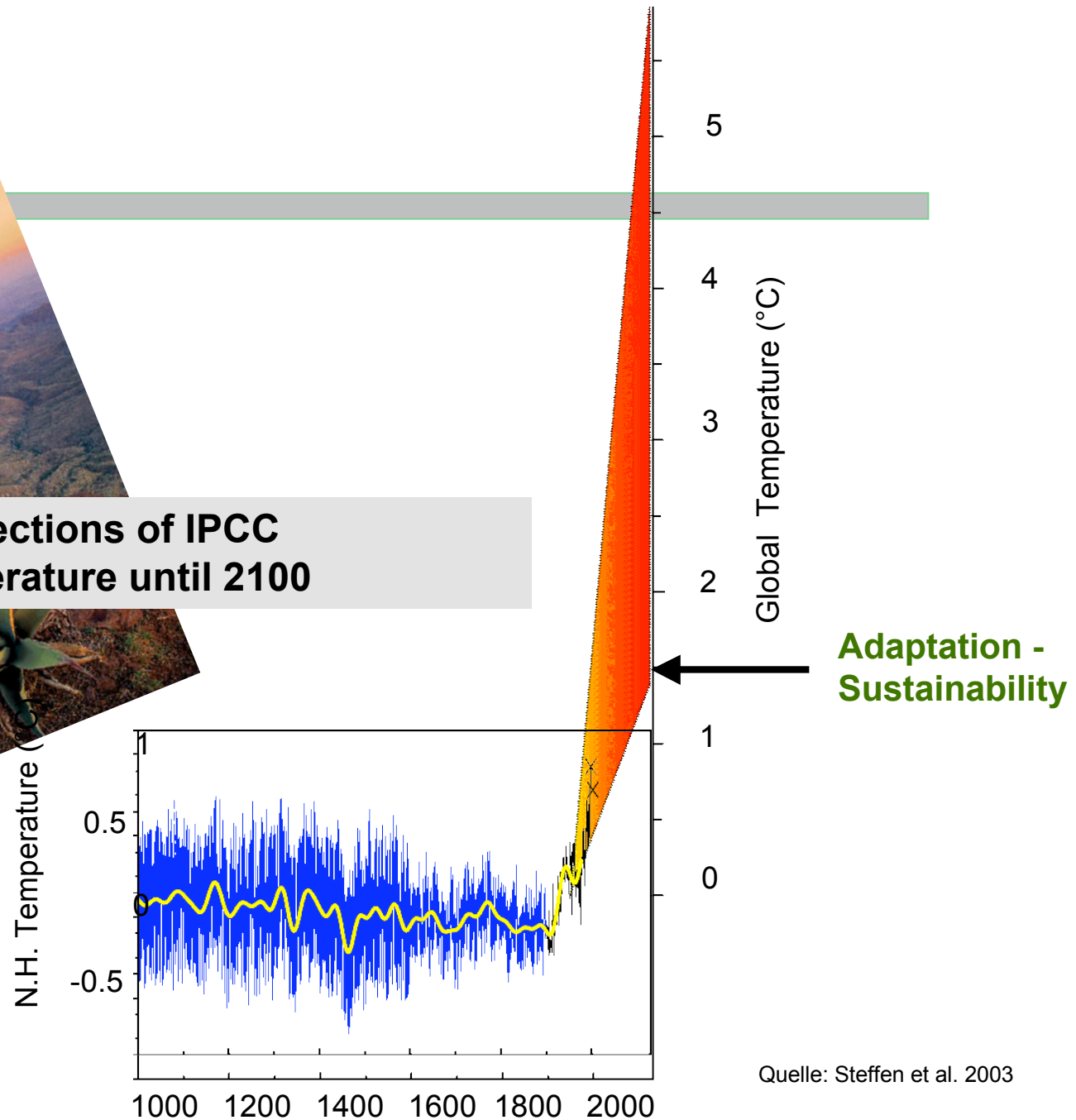
Our planet

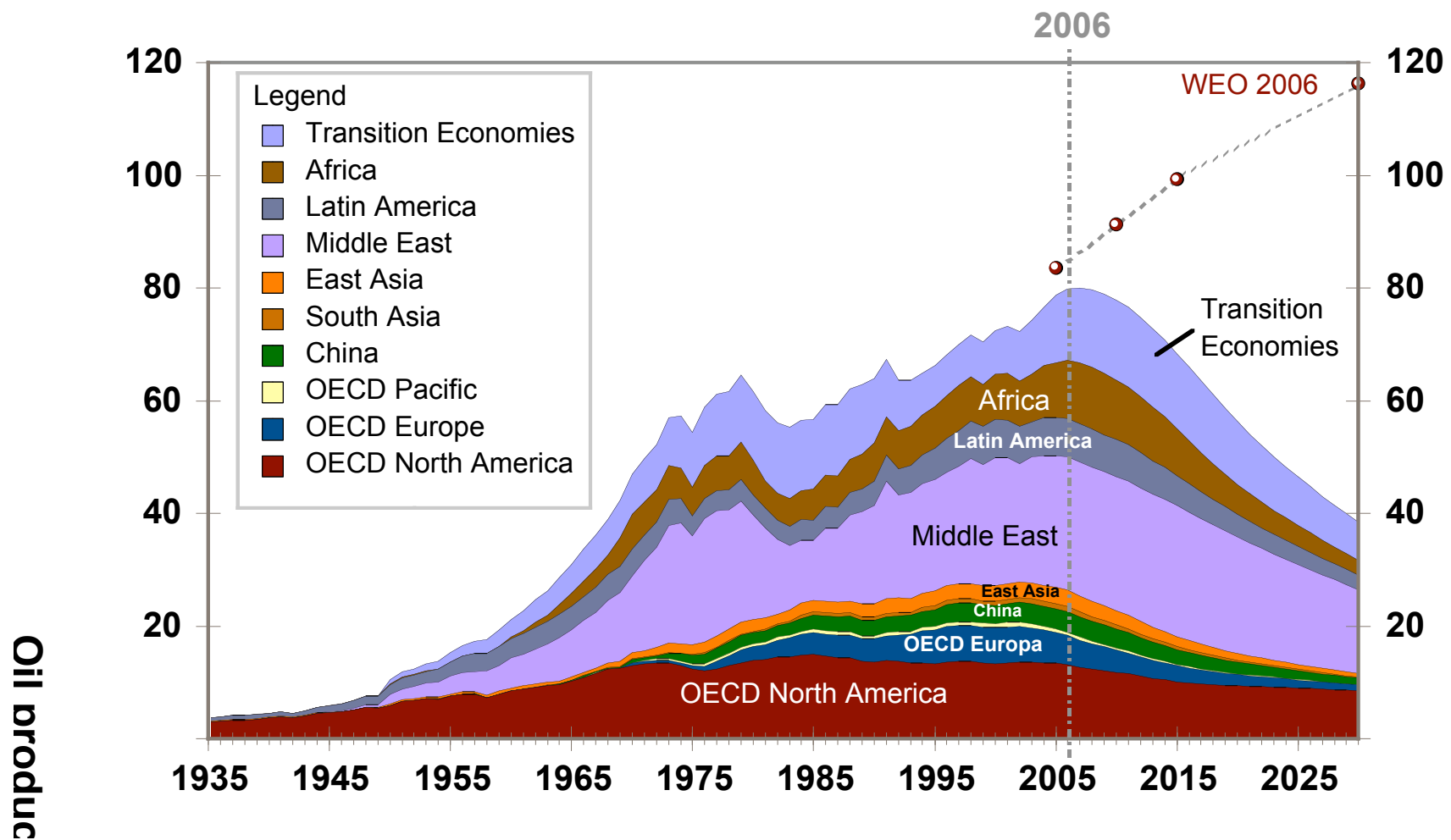


*Dr. Harry Lehmann
Umweltbundesamt*



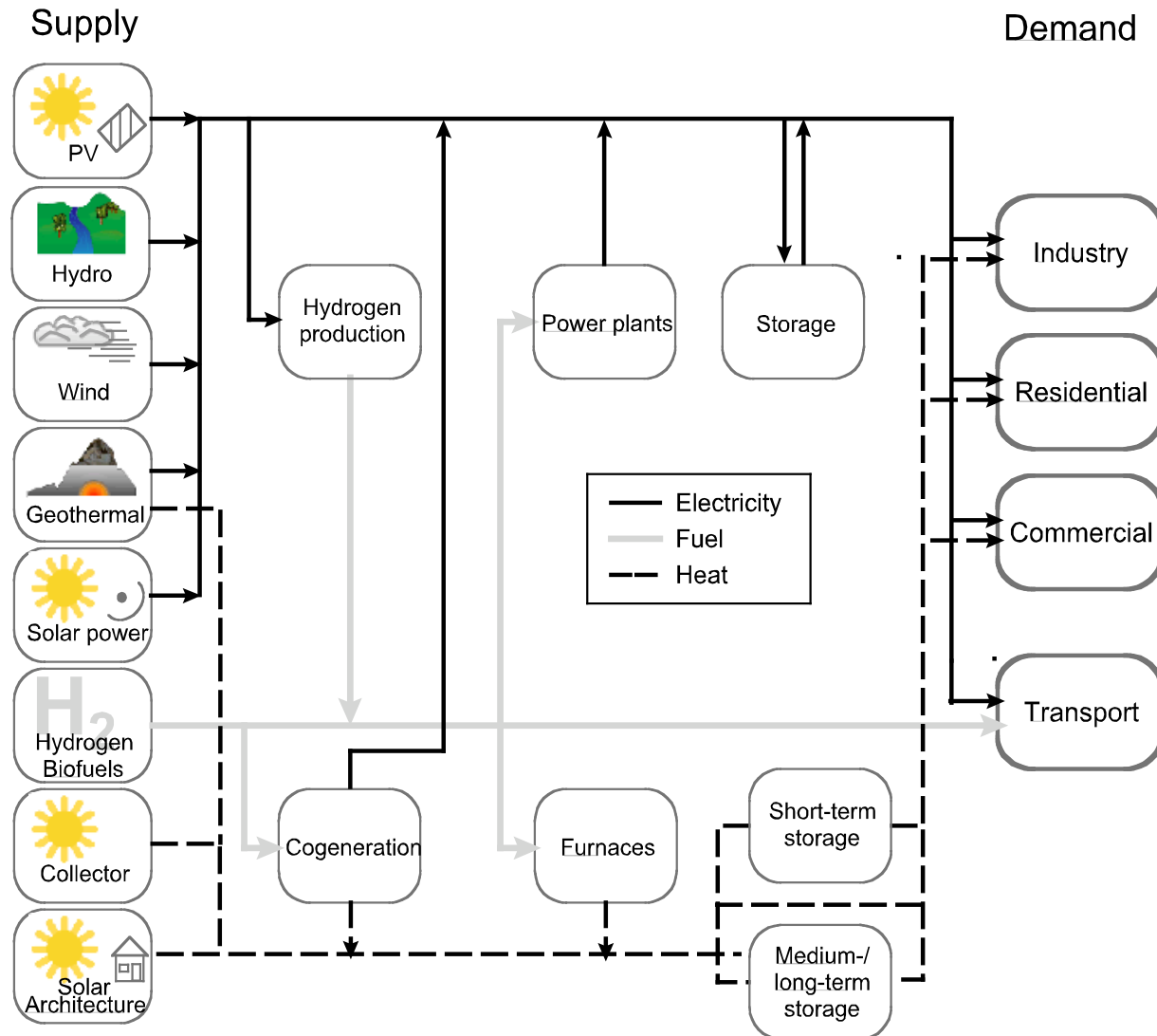
Projections of IPCC Temperature until 2100



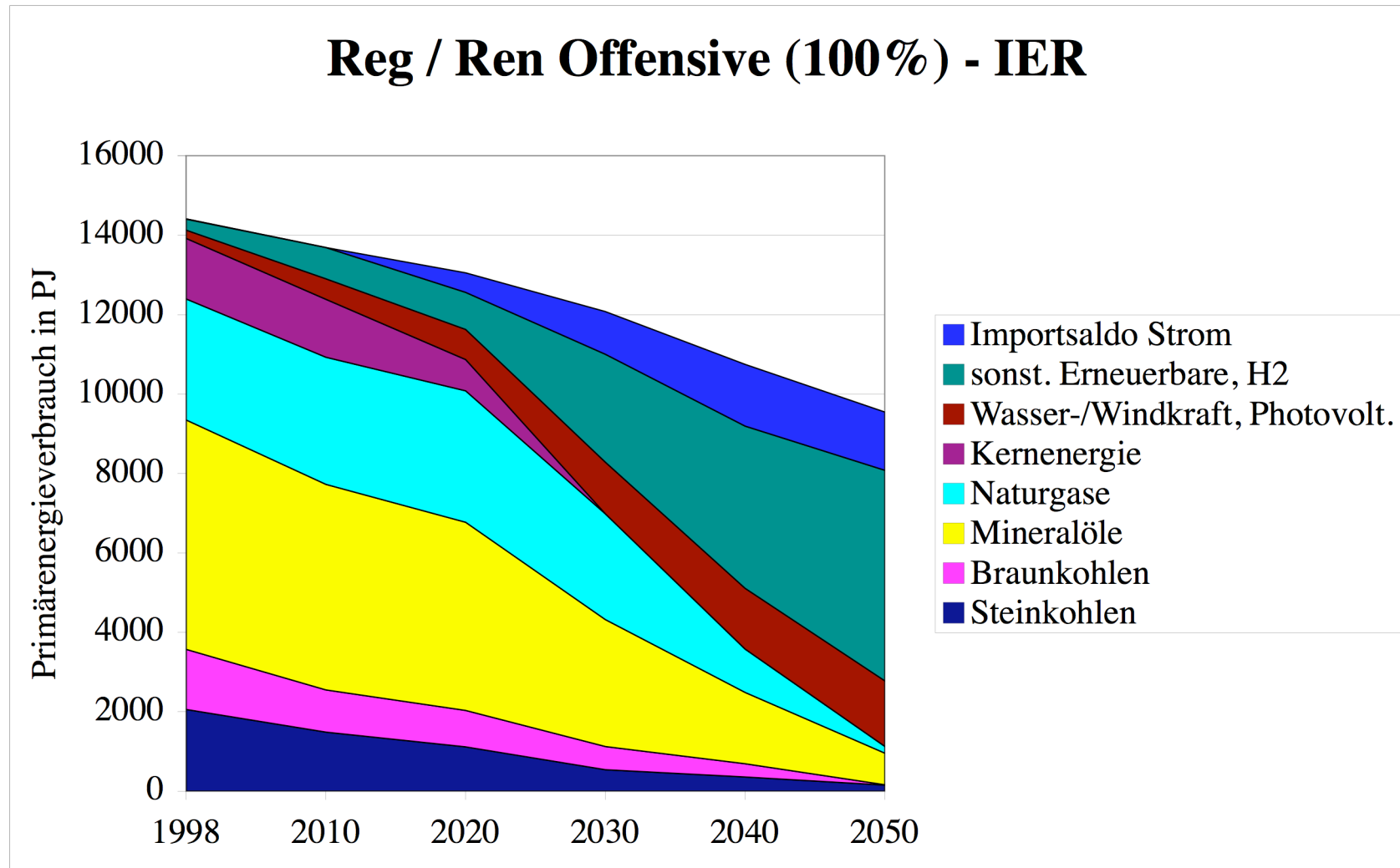


Source: Energy Watch Group - LBST Munich

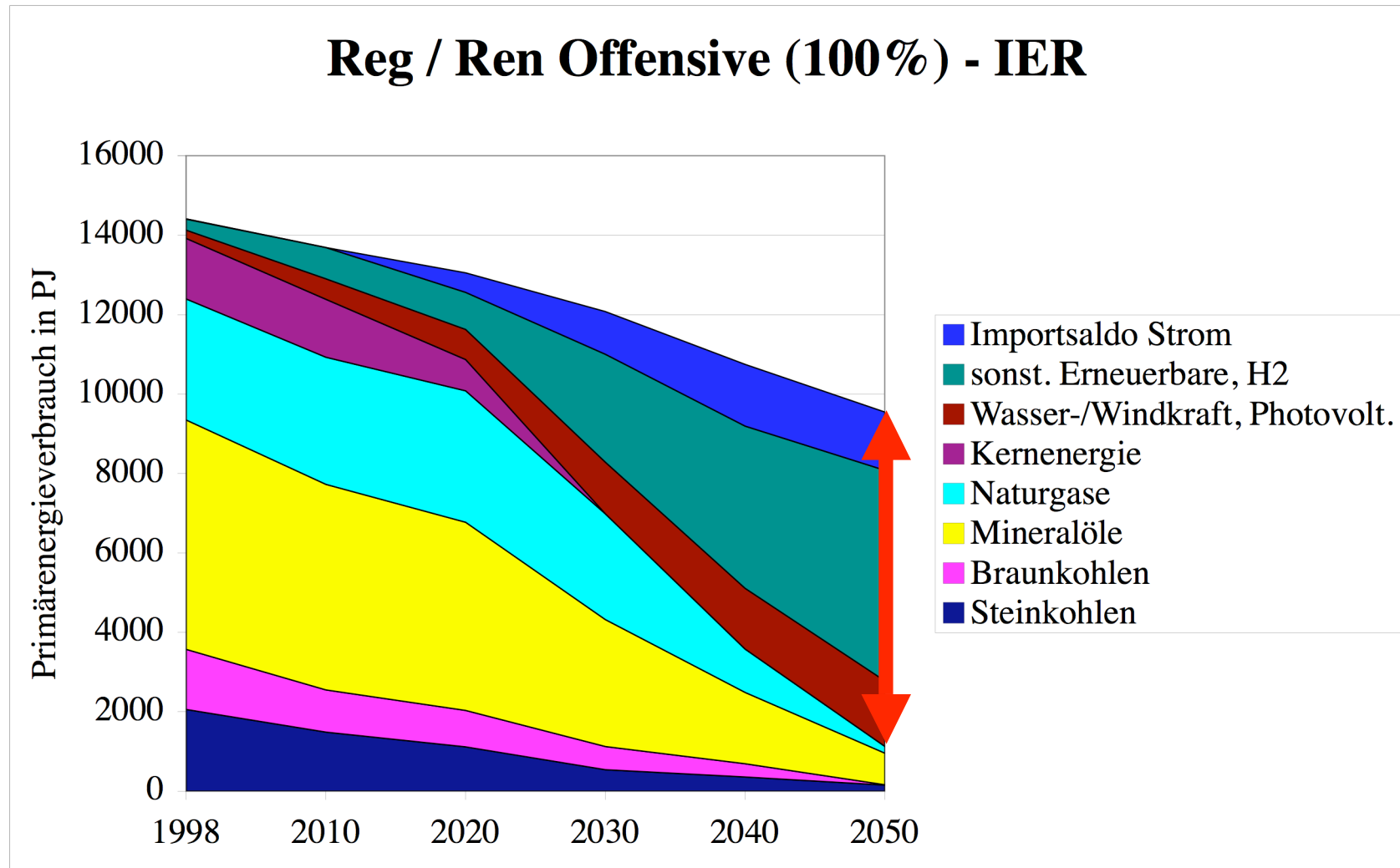
Energy System based on renewable Sources



German Bundestag Enquete - LT Scenarios - 2050



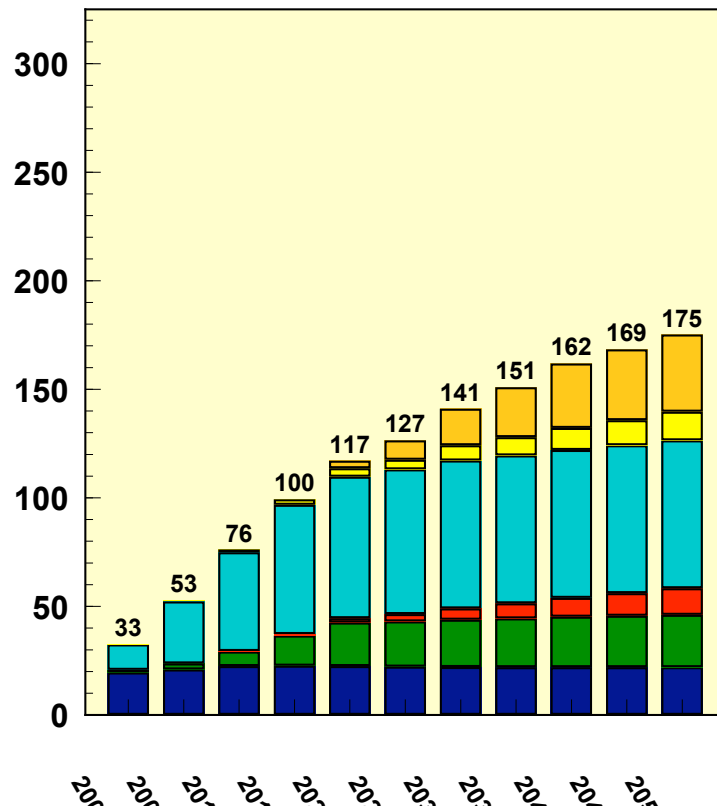
German Bundestag Enquete - LT Scenarios - 2050



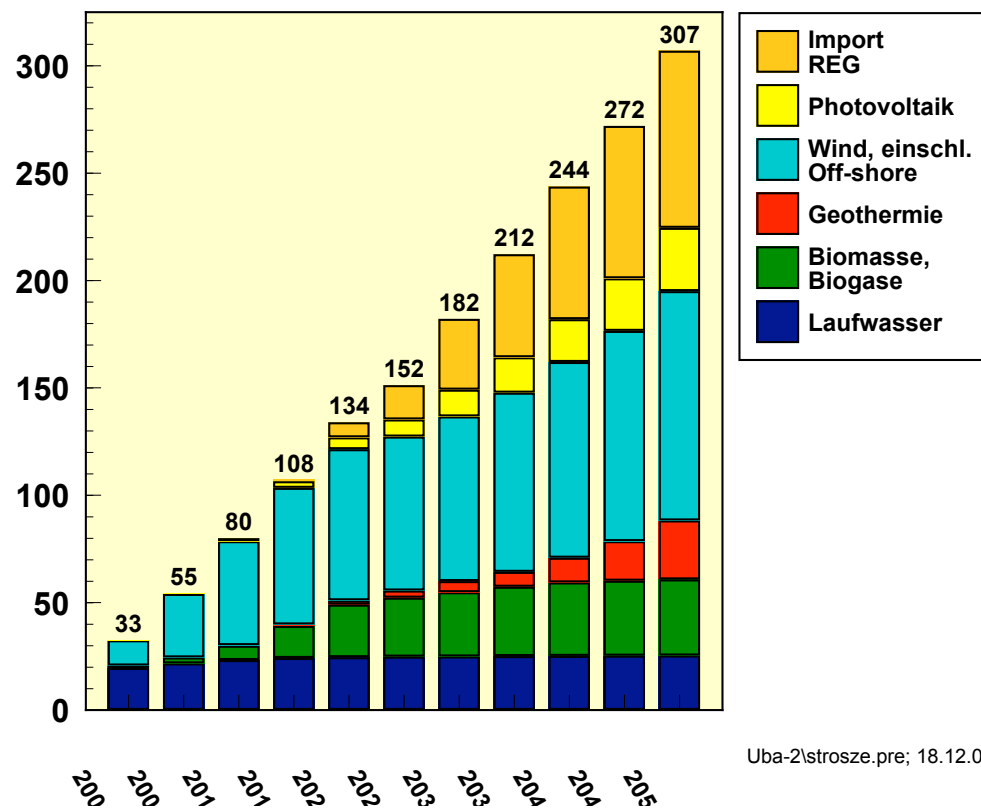
UBA Long Term Scenarios - Electricity

Stromerzeugung aus erneuerbaren Energien

Effizienzzenario



Nachhaltigkeitsszenario



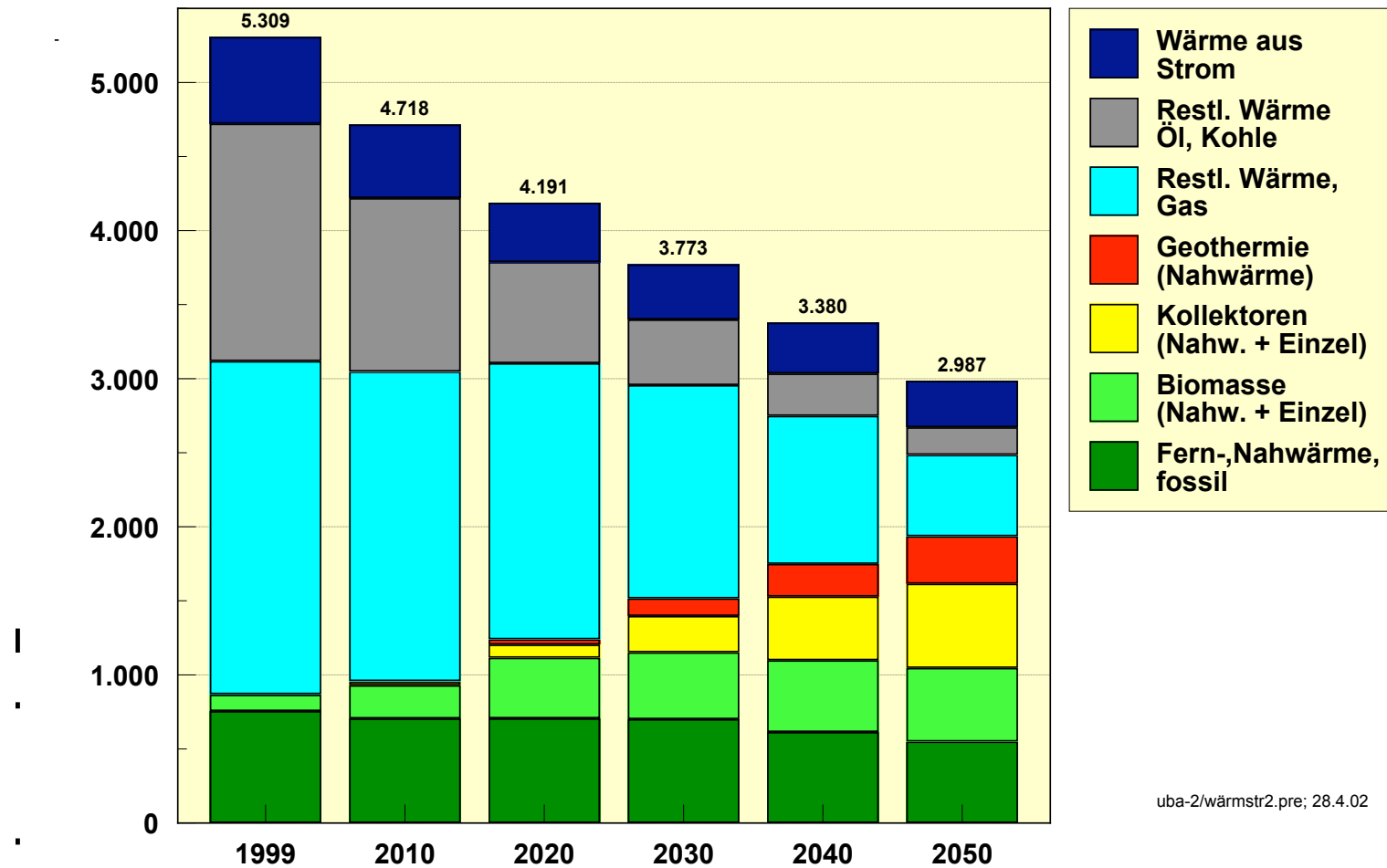
Uba-2\strosze.pre; 18.12.01

Quelle : DLR und Wuppertal Institut

Harry Lehmann

UBA Long Term Scenarios - Heating

Strukturänderungen im Wärmemarkt

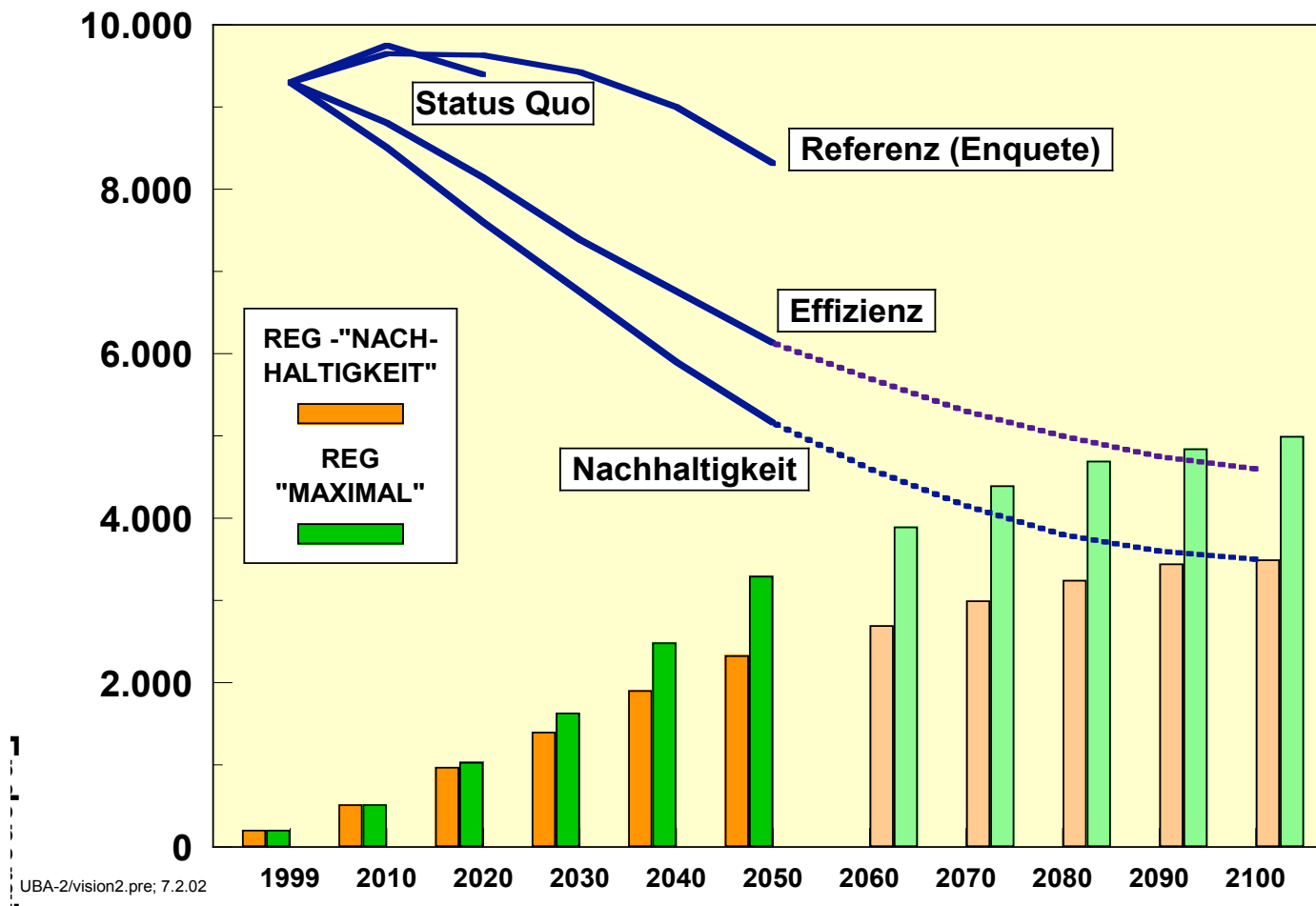


Quelle : DLR und Wuppertal Institut

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UBA Long Term Scenarios

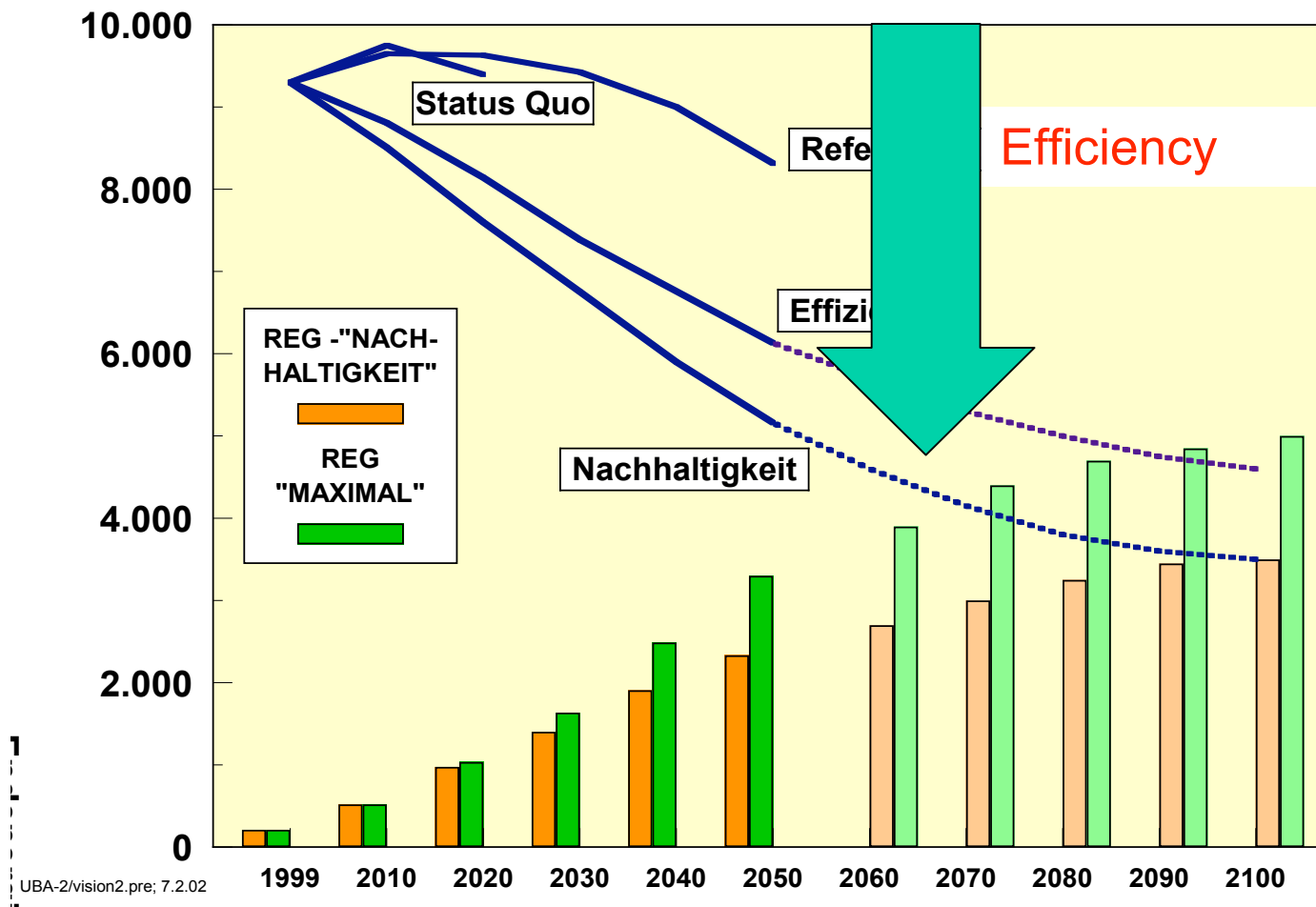
Langfristige Entwicklungstendenzen von REN und REG



UBA-2/vision2.pre; 7.2.02

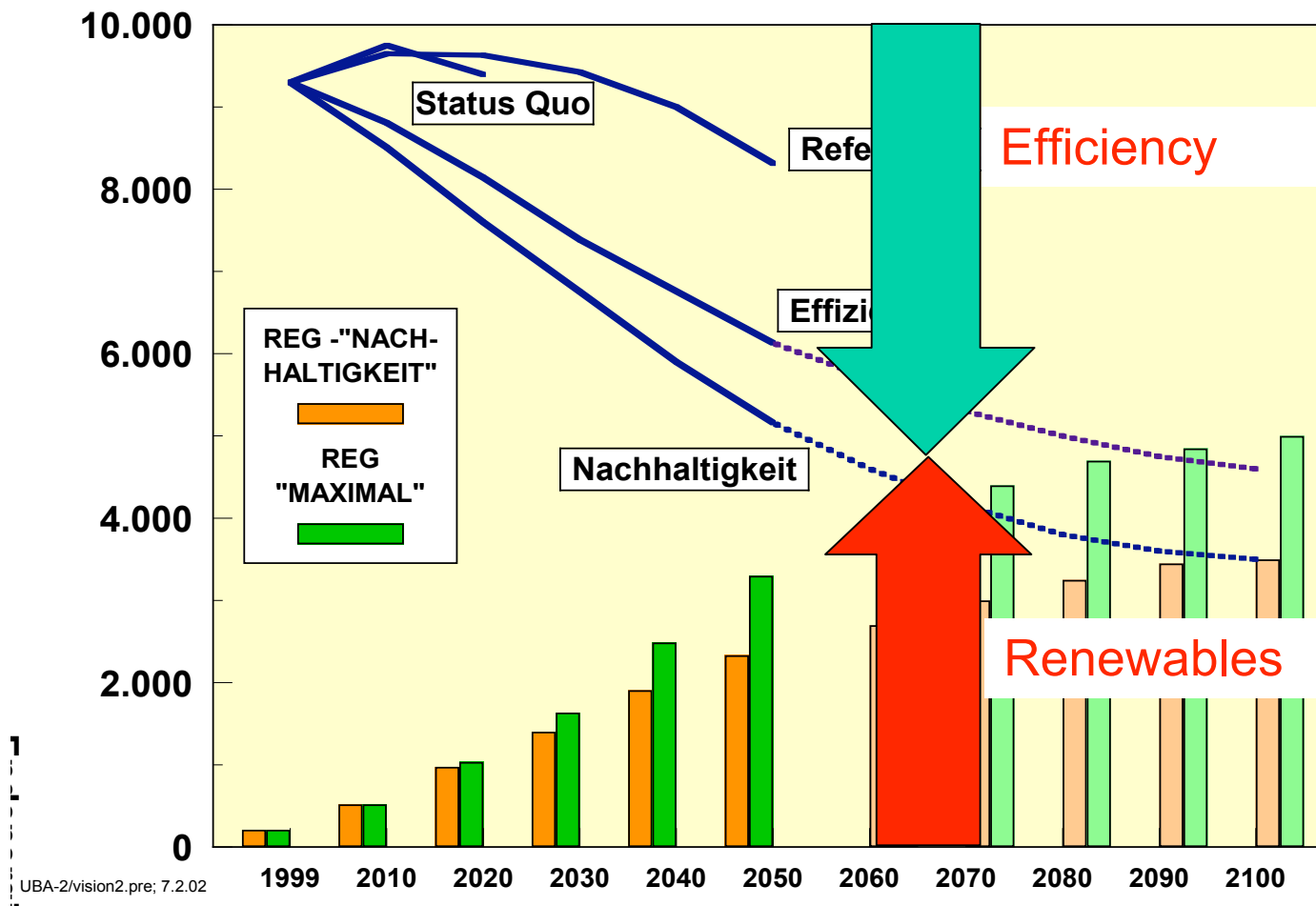
UBA LT Scenarios

Langfristige Entwicklungstendenzen von REN und REG



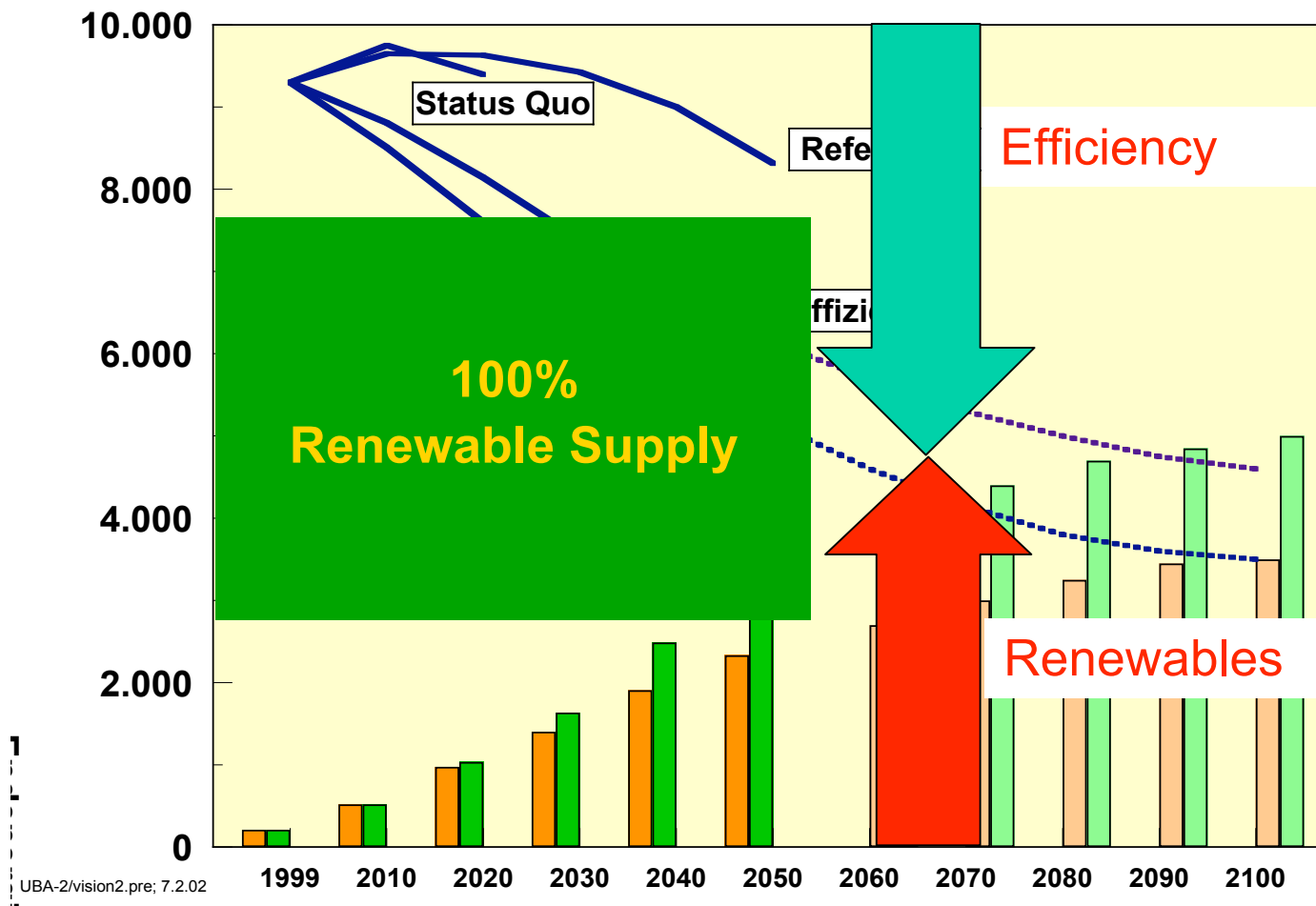
UBA LT Scenarios

Langfristige Entwicklungstendenzen von REN und REG

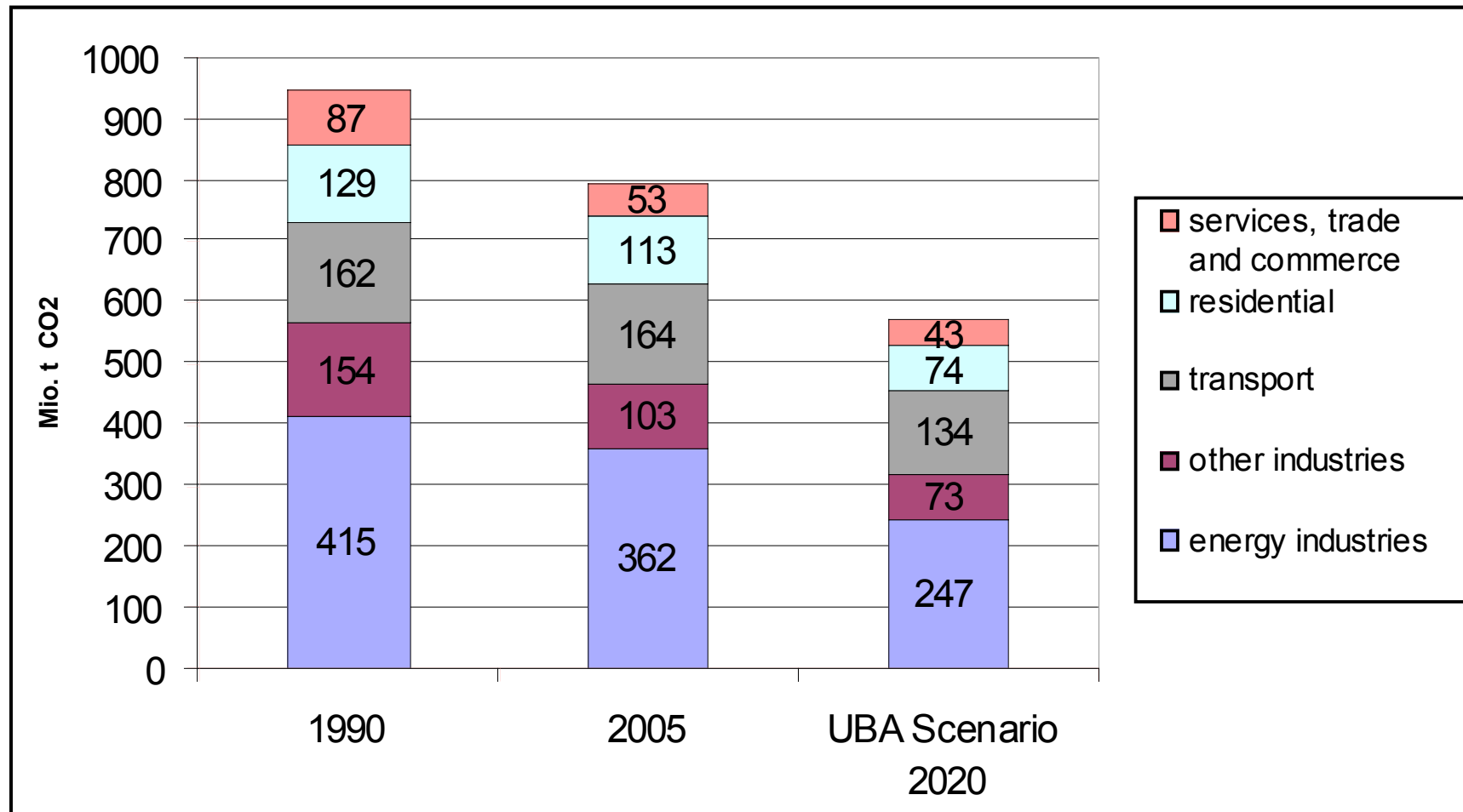


UBA LT Scenarios

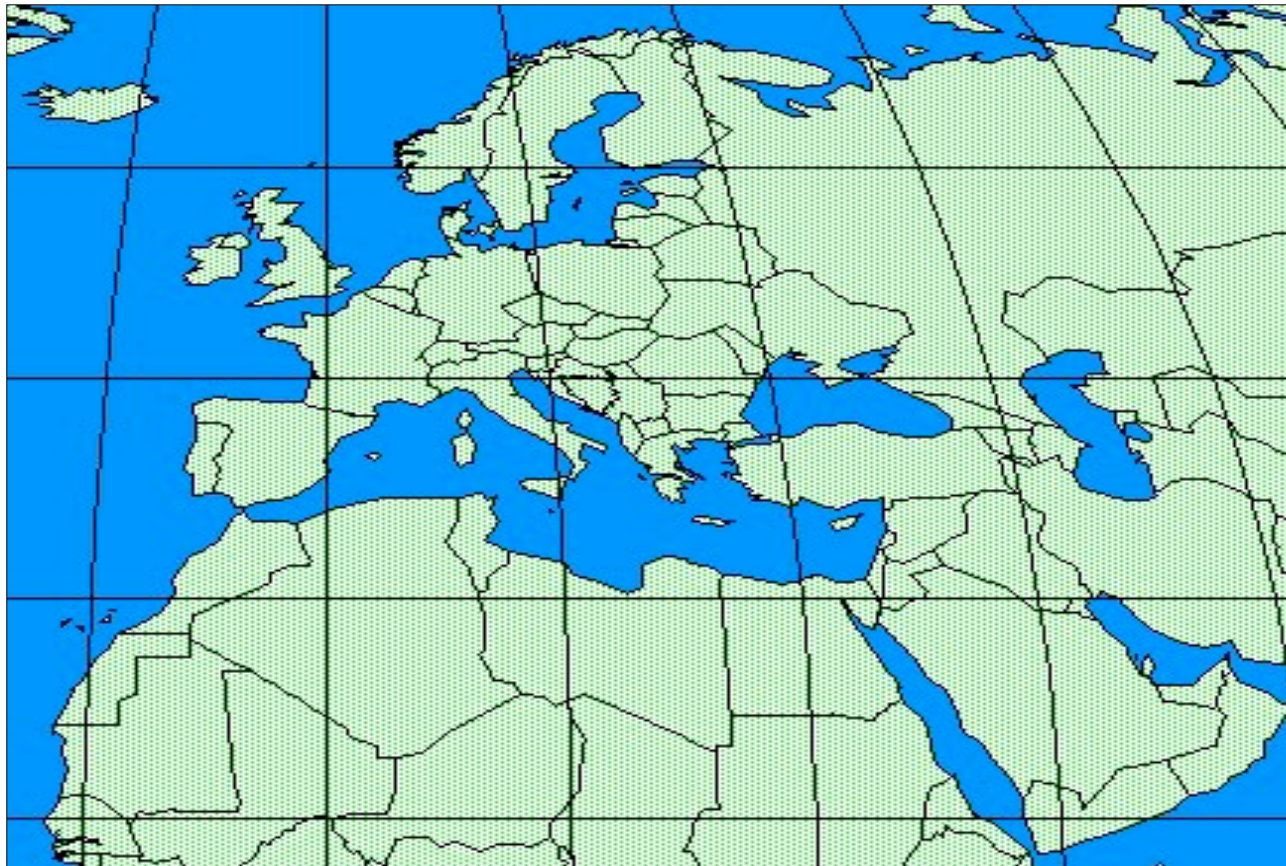
Langfristige Entwicklungstendenzen von REN und REG



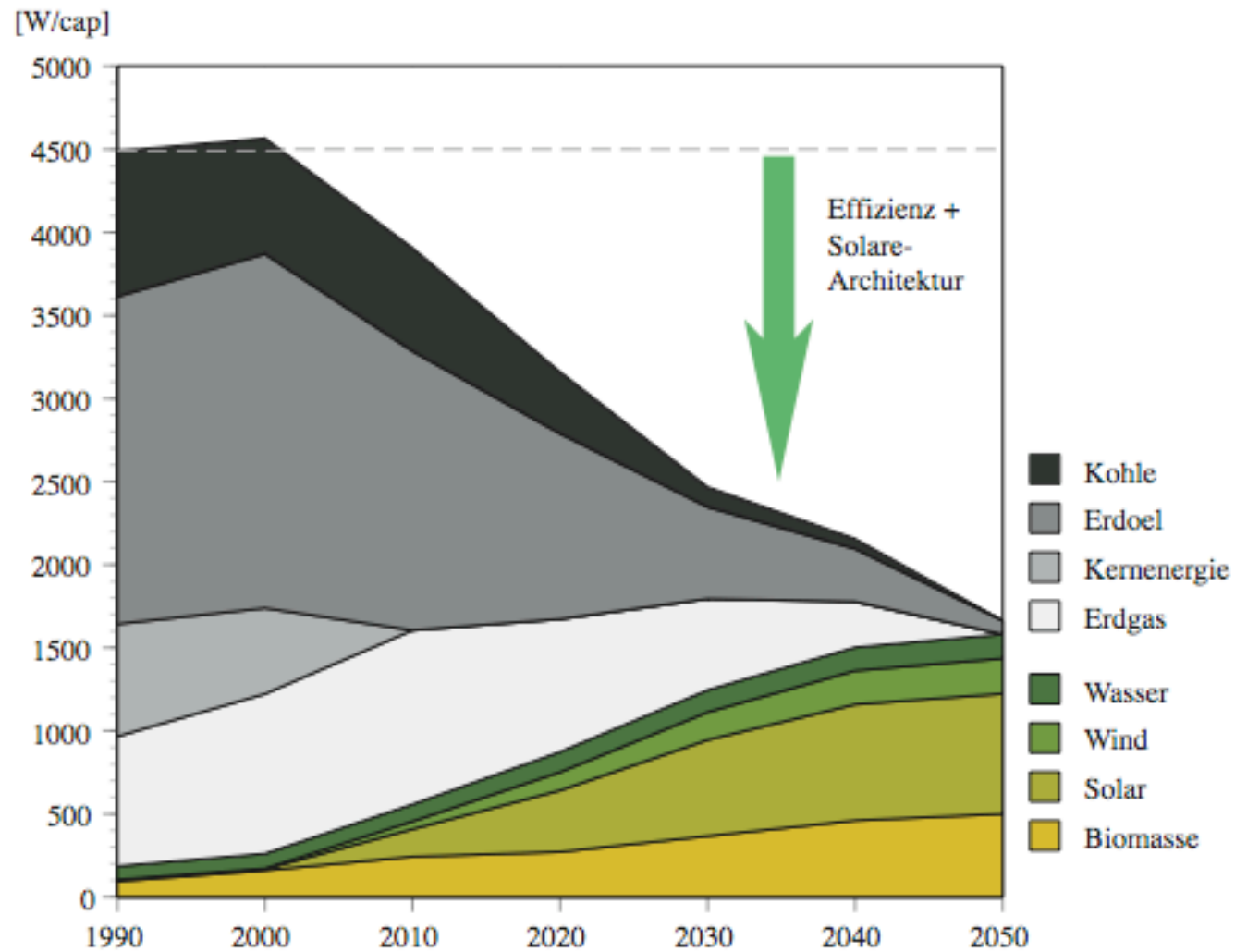
UBA Scenario - 2020 - German CO2 Emissions



Europe

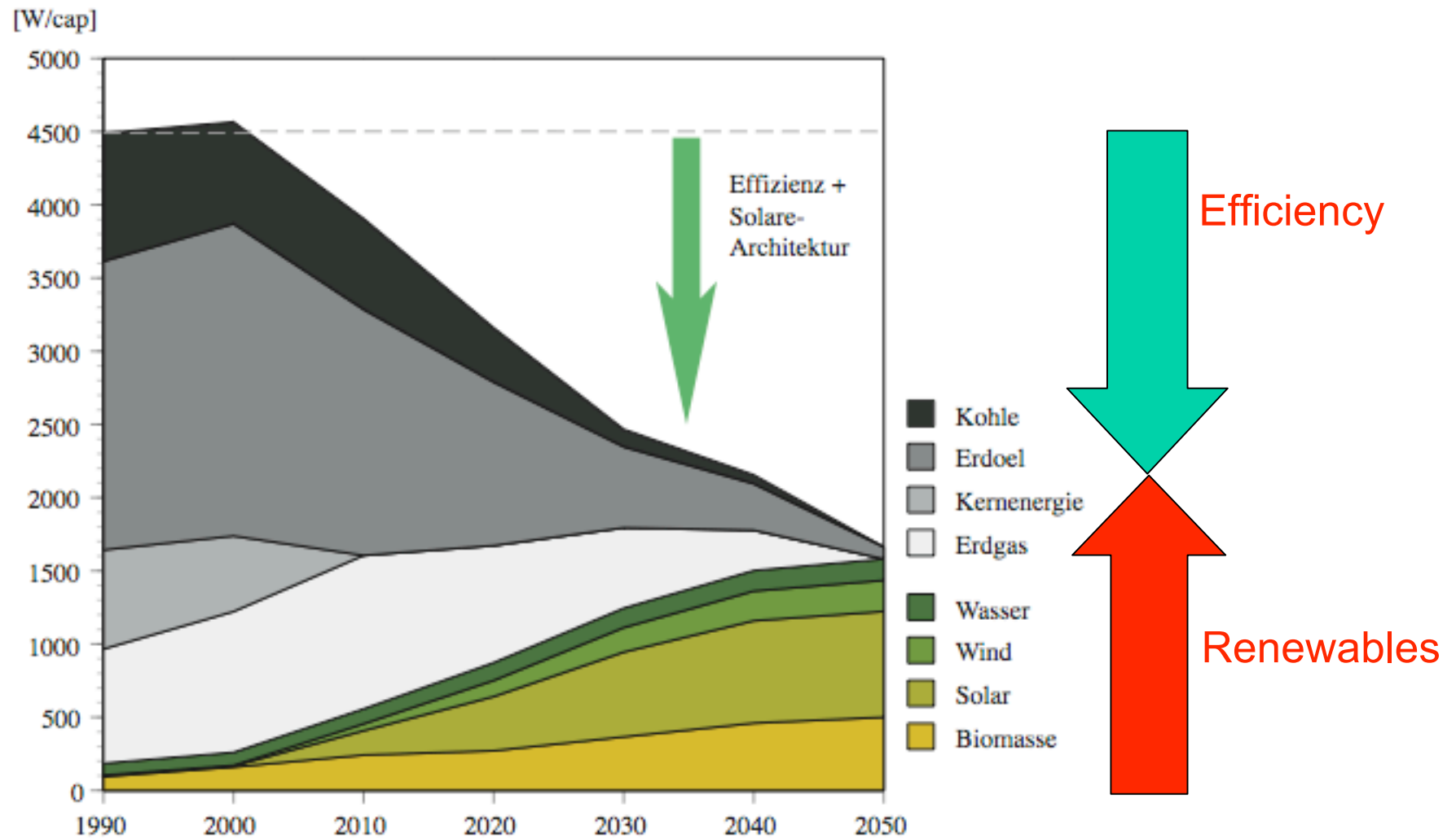


LTI Scenarios Europe - 100%

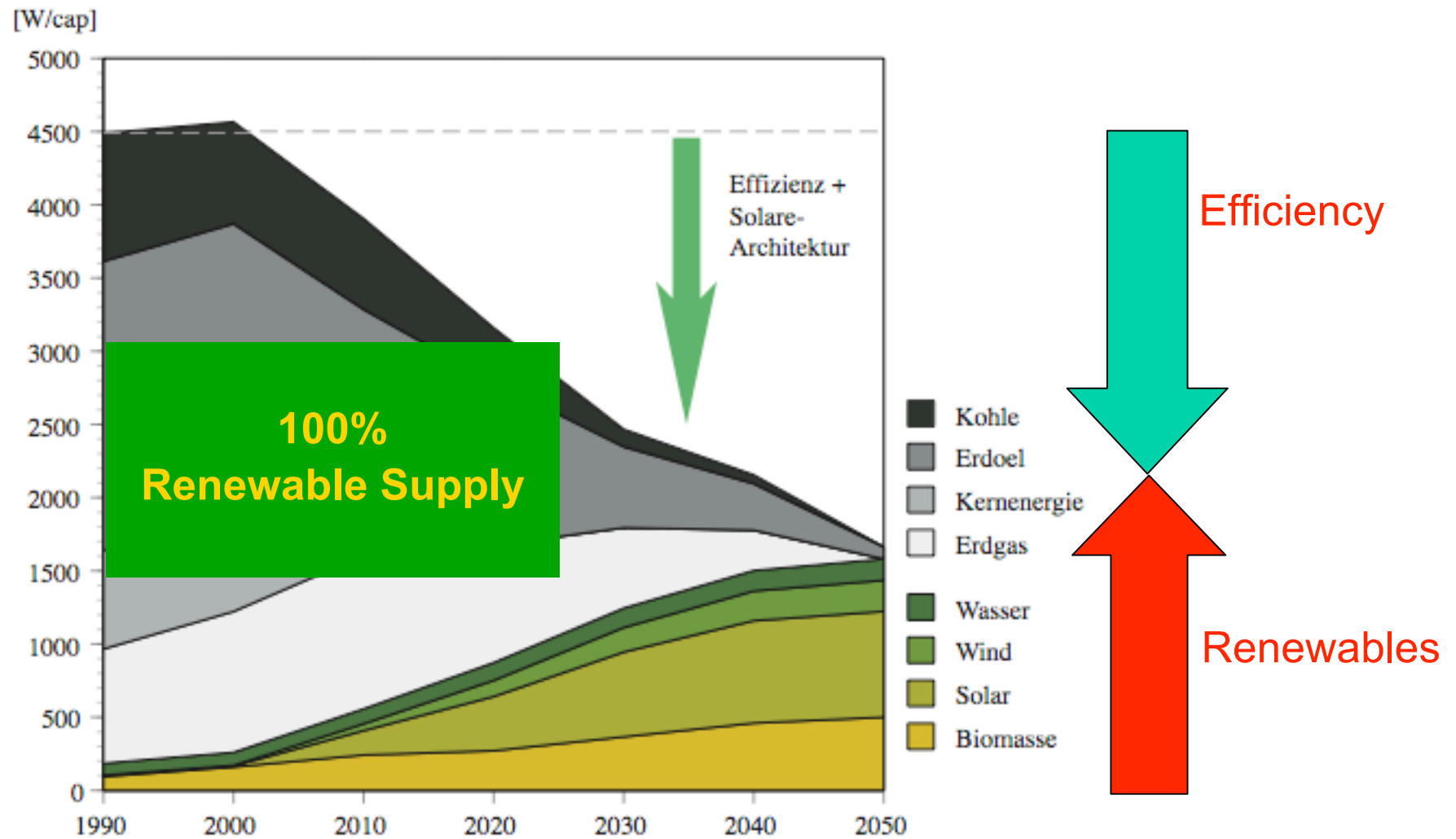


Source: LTI Group - Lehmann et.al.

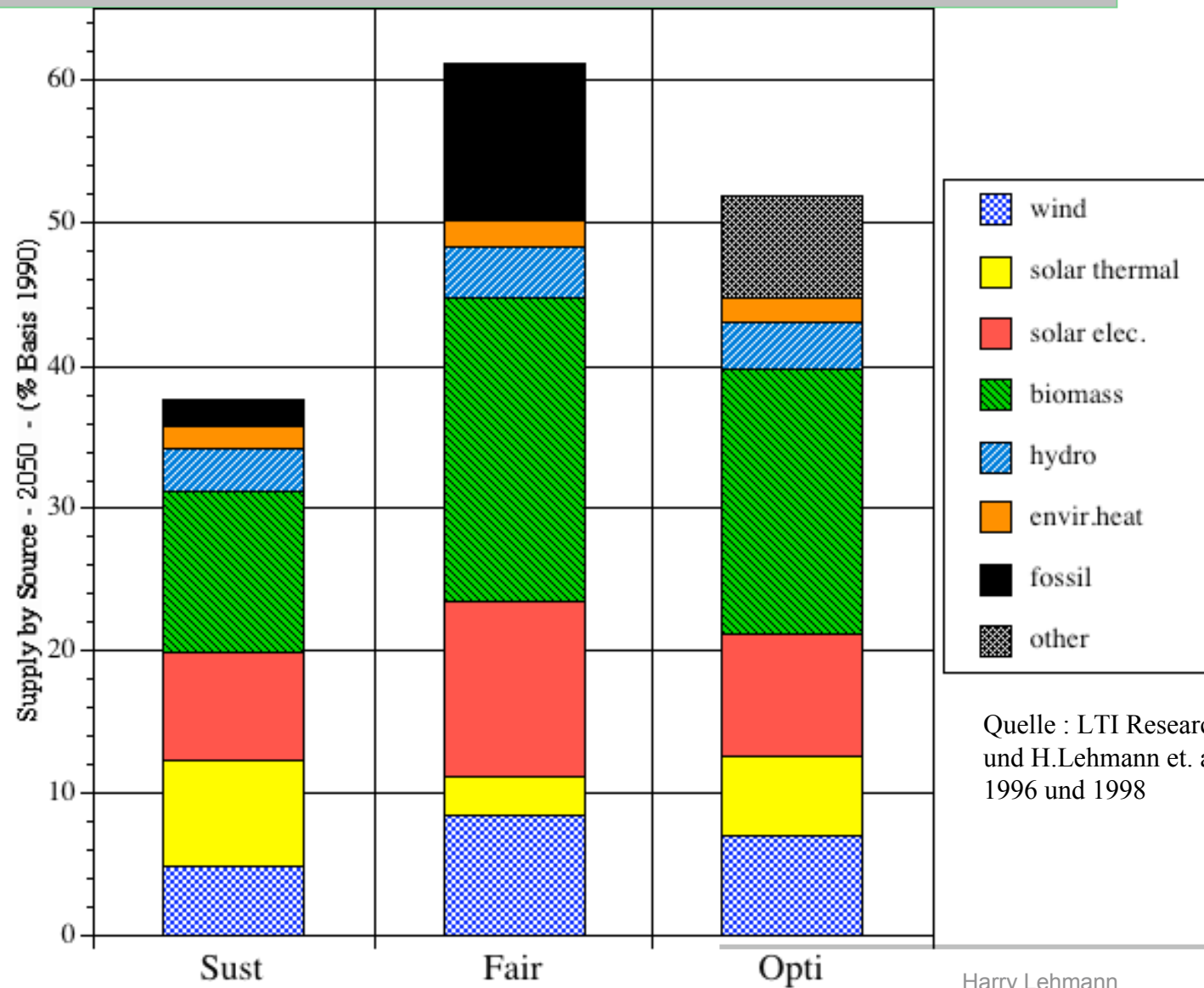
LTI Scenarios Europe - 100%



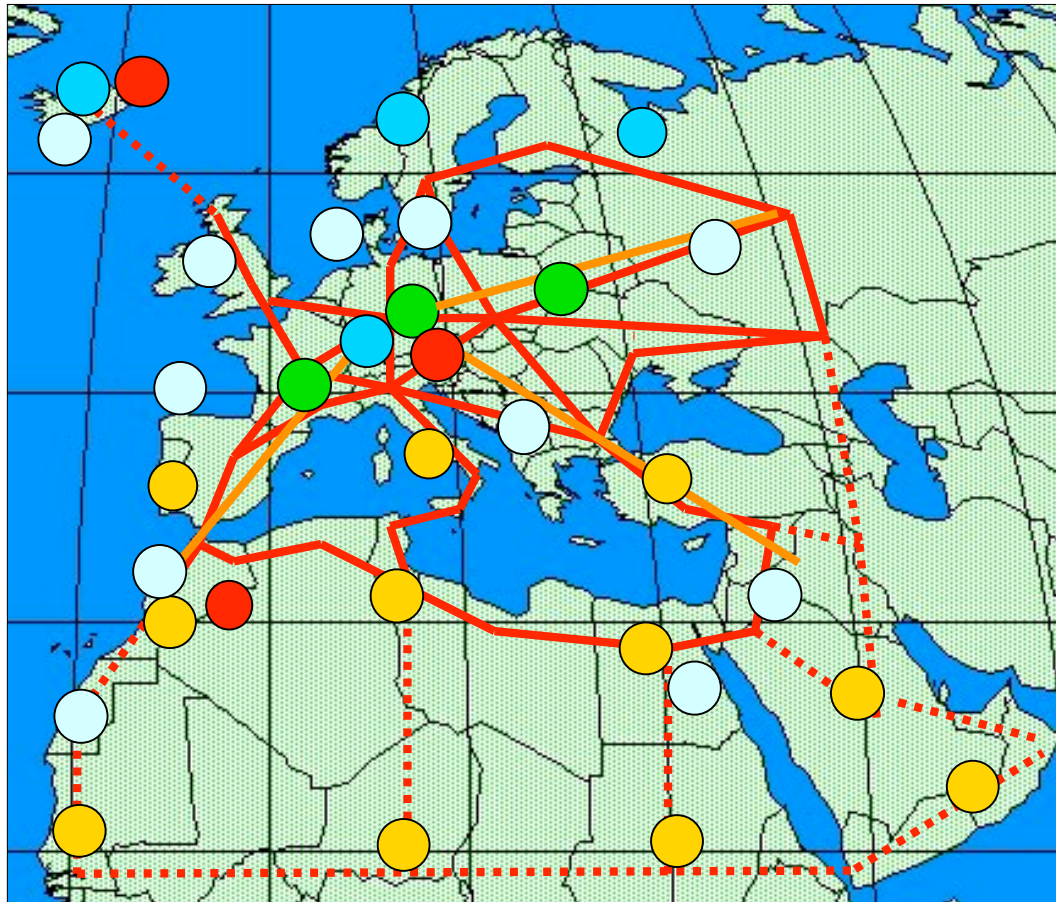
LTI Scenarios Europe - 100%



LTI Scenarios Europe - 100%



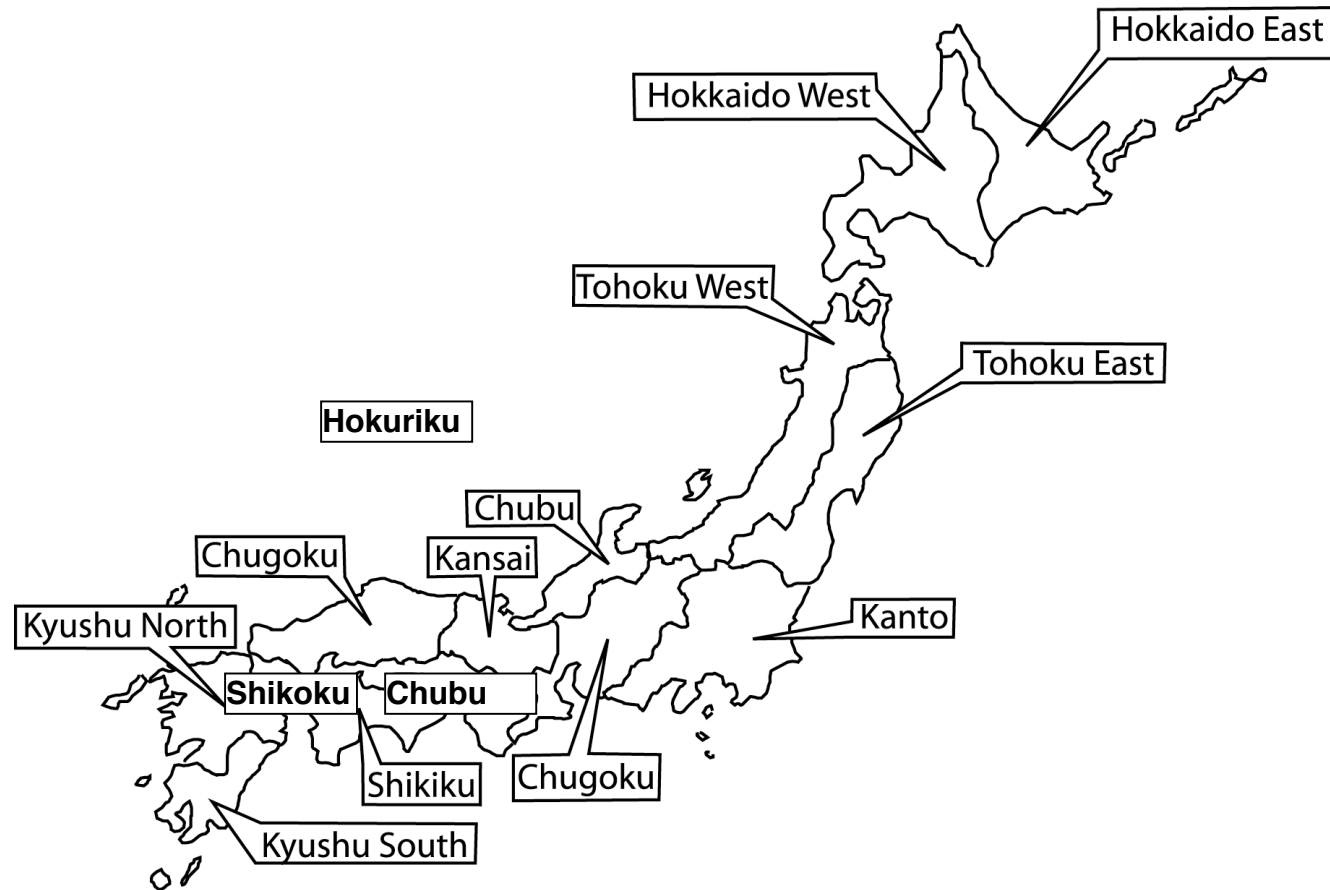
Trans Med Renewable Energy Coll. - TREC



- Solar
- Wind
- Hydro
- Geothermal
- Biomass
- EURO-MED
- ... possible further interconnections
- Gas pipelines used for Hydrogen

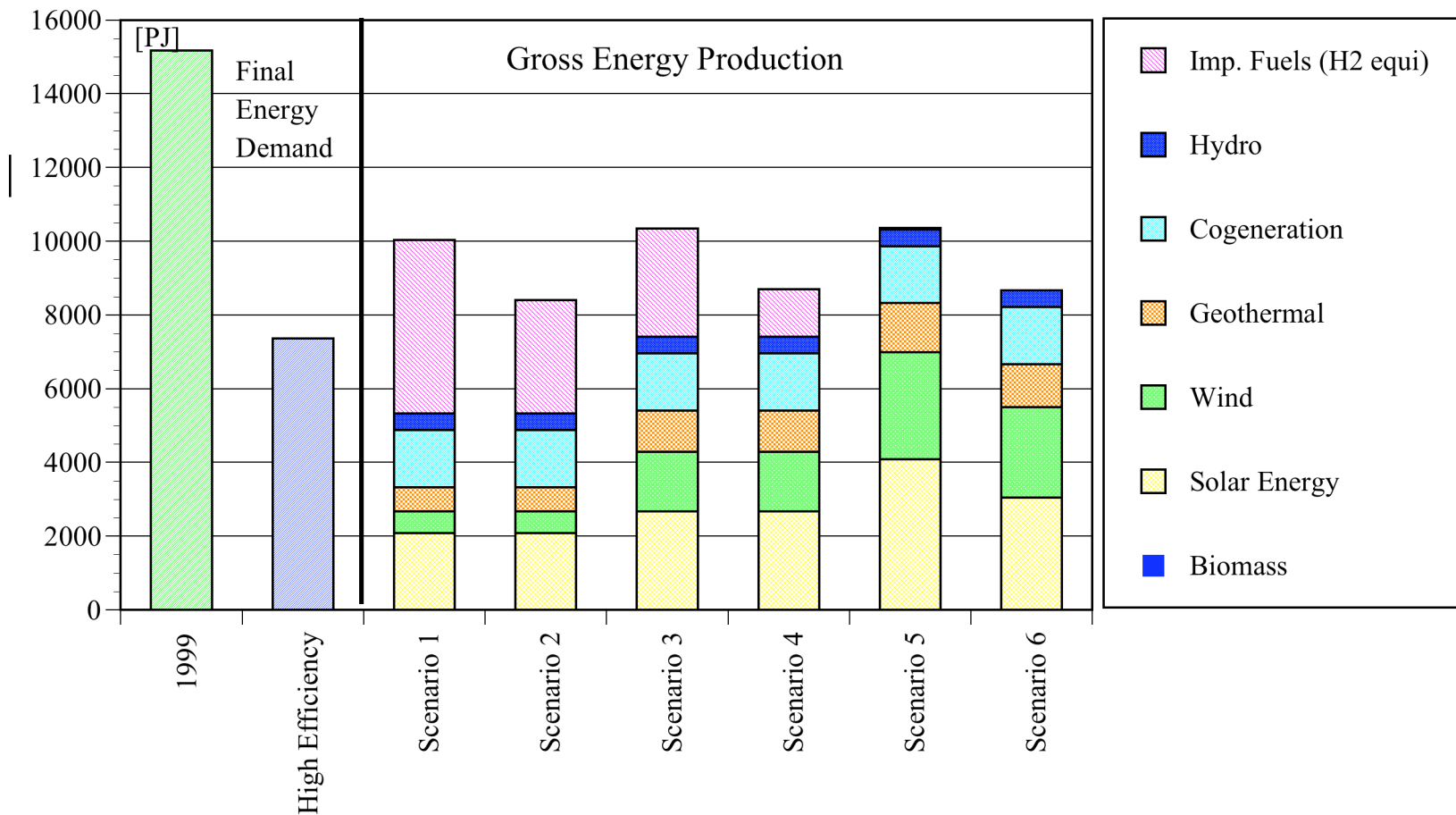
Japan

エナジー・リッチ・ジャパン



Energy Supply in the ERJ Scenarios

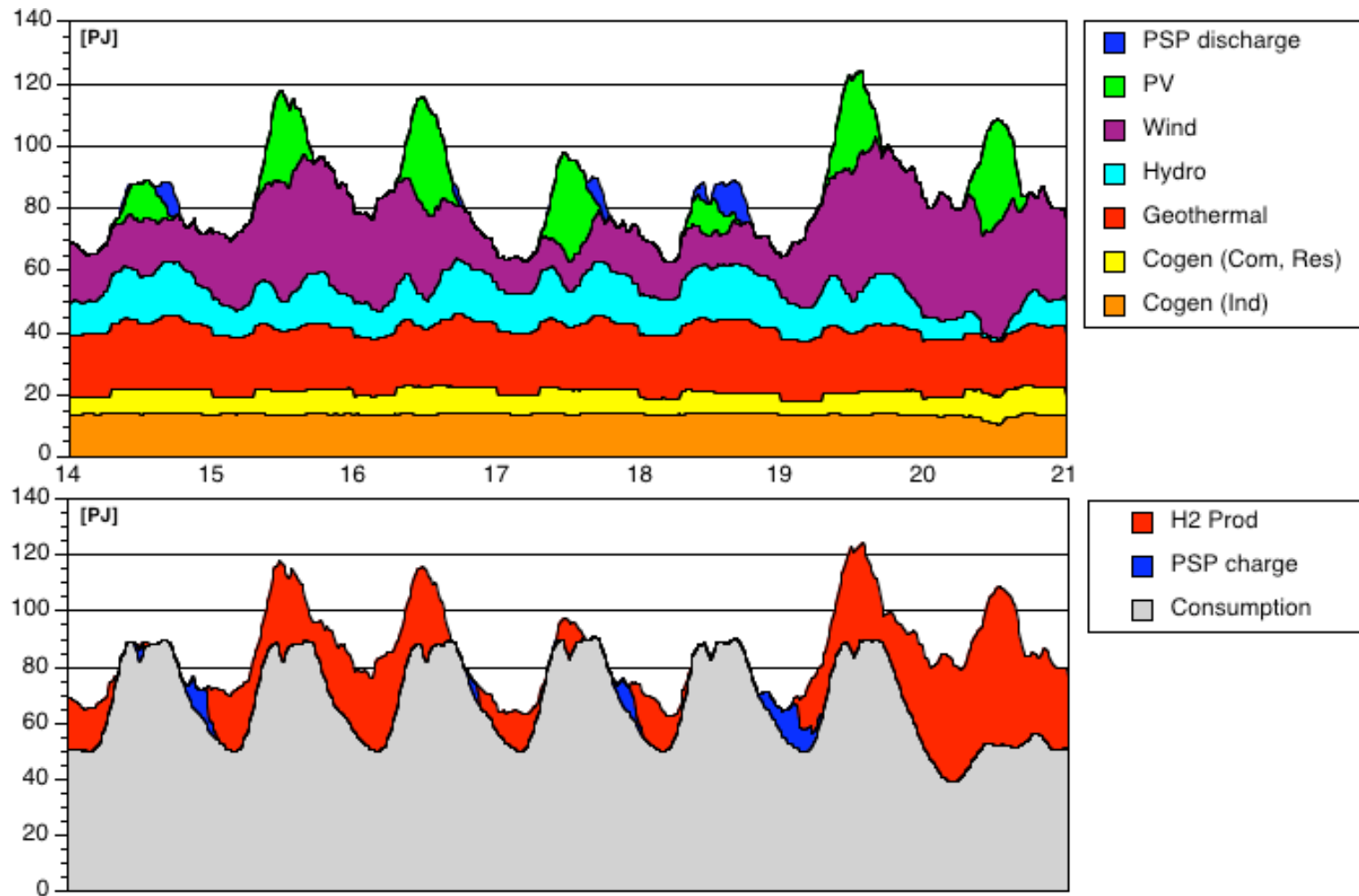
エナジー・リッチ・ジャパン



Source: ERJ, info@energyrichjapan.info

Results: Week 3

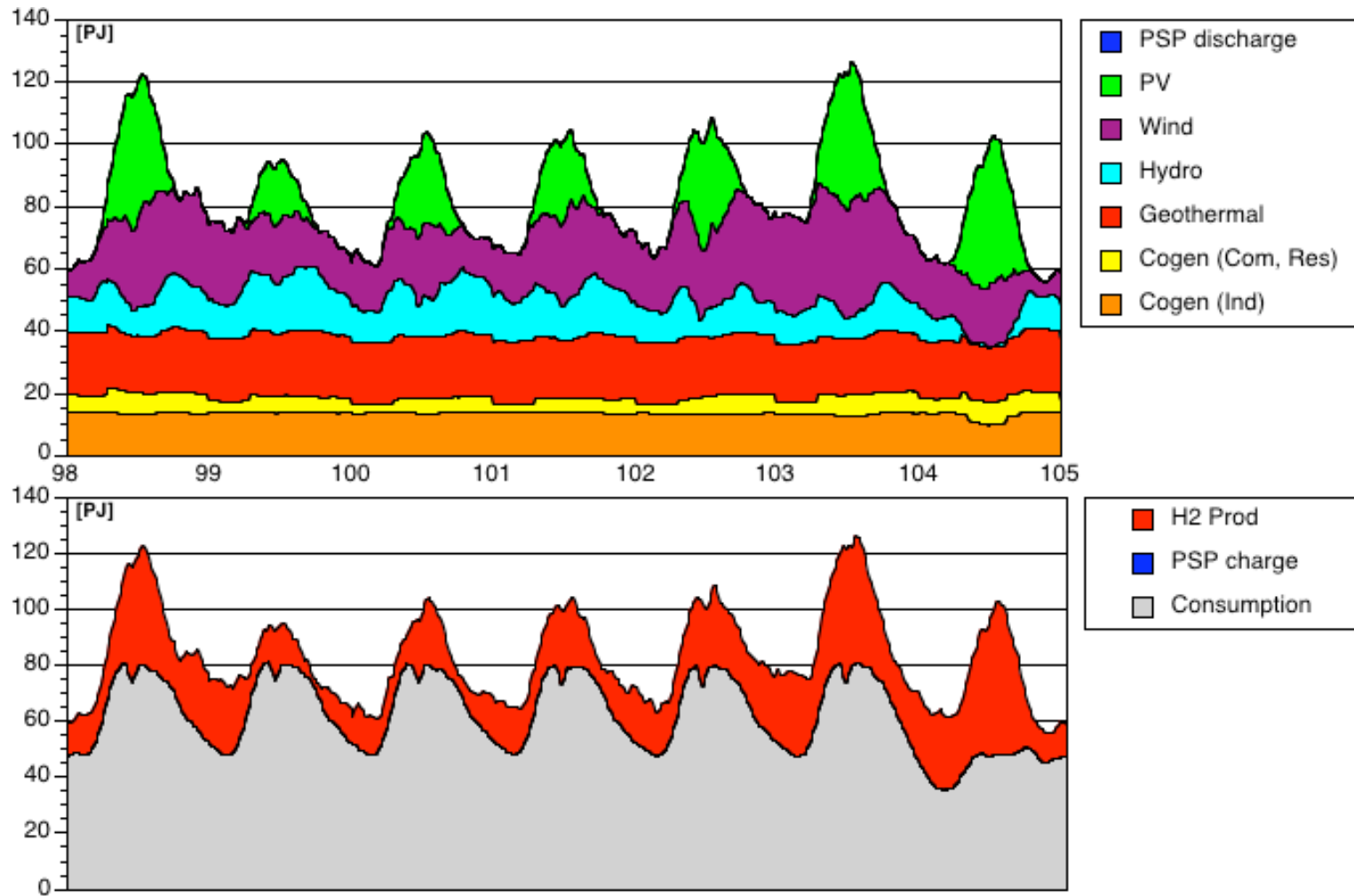
エネルギー・リッチ・ジャパン



Source: ERJ, info@energyrichjapan.info

Results: Week 15

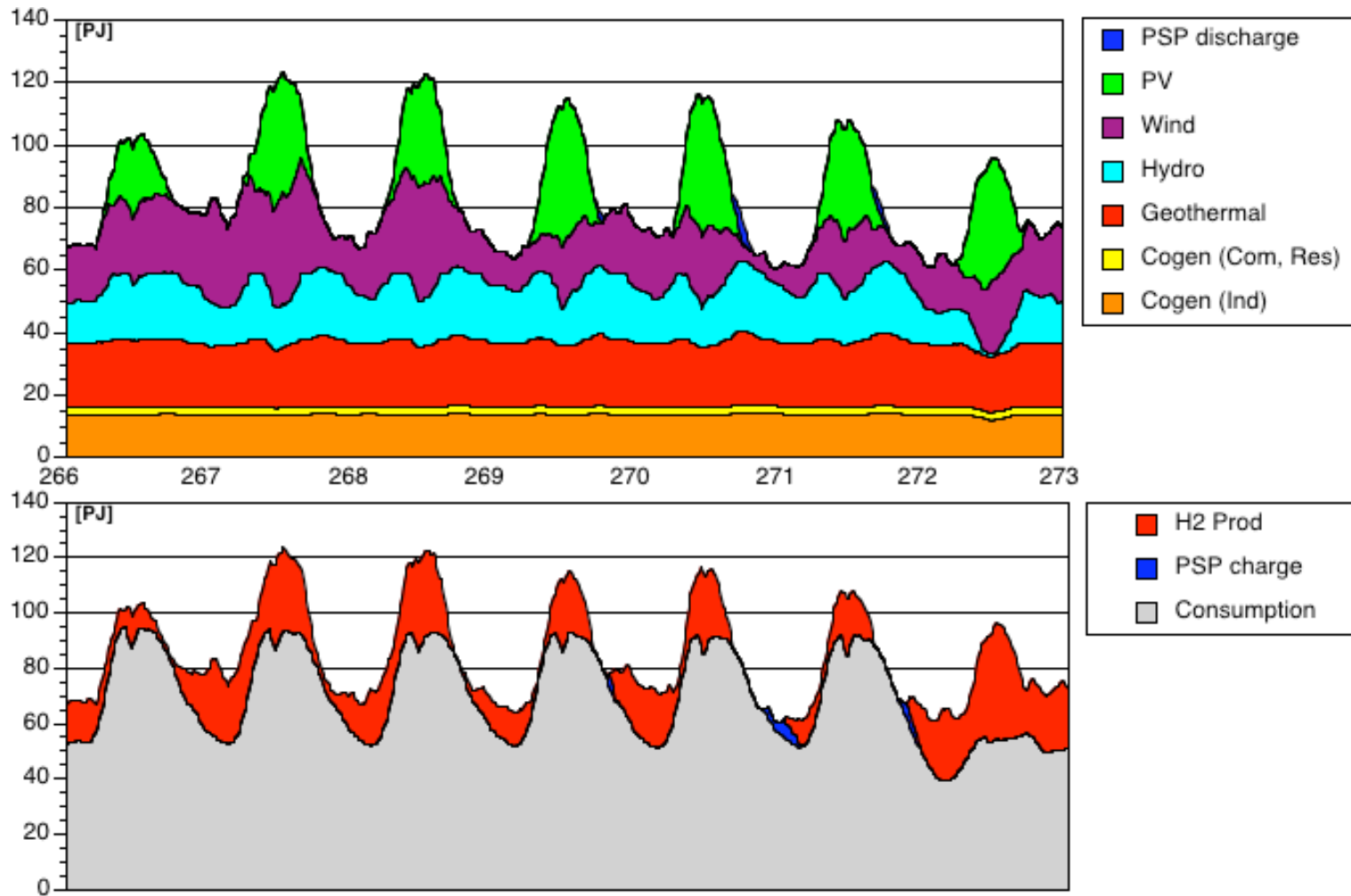
エネルギー・リッチ・ジャパン



Source: ERJ, info@energyrichjapan.info

Results: Week 39

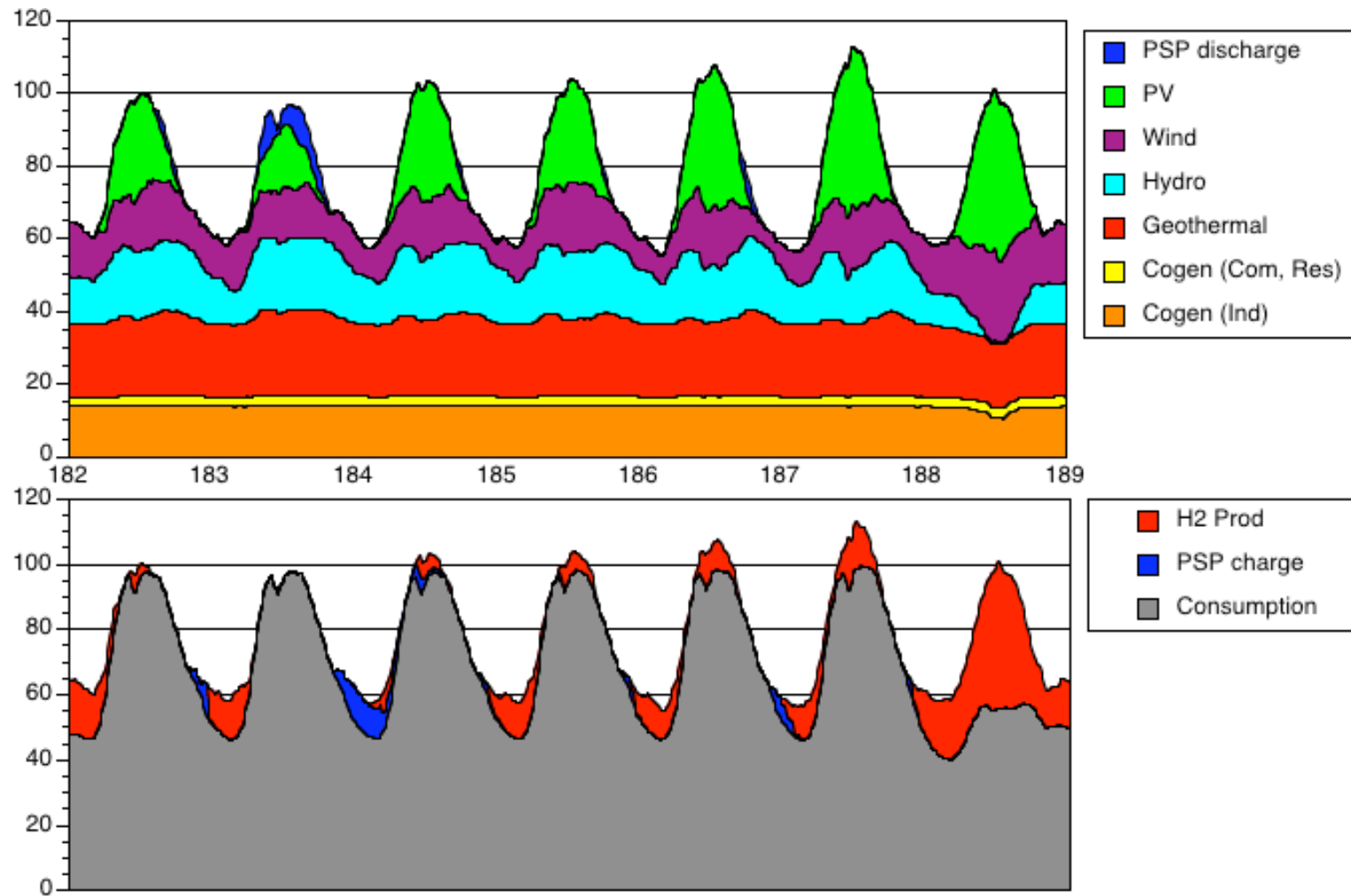
エネルギー・リッチ・ジャパン



Source: ERJ, info@energyrichjapan.info

Results: Week 27

エネルギー・リッチ・ジャパン



Source: ERJ, info@energyrichjapan.info

Thank you

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www.umweltbundesamt.de

www.energywatchgroup.org

www.eurosolar.org

www.energyrichjapan.info

www.isusi.de