

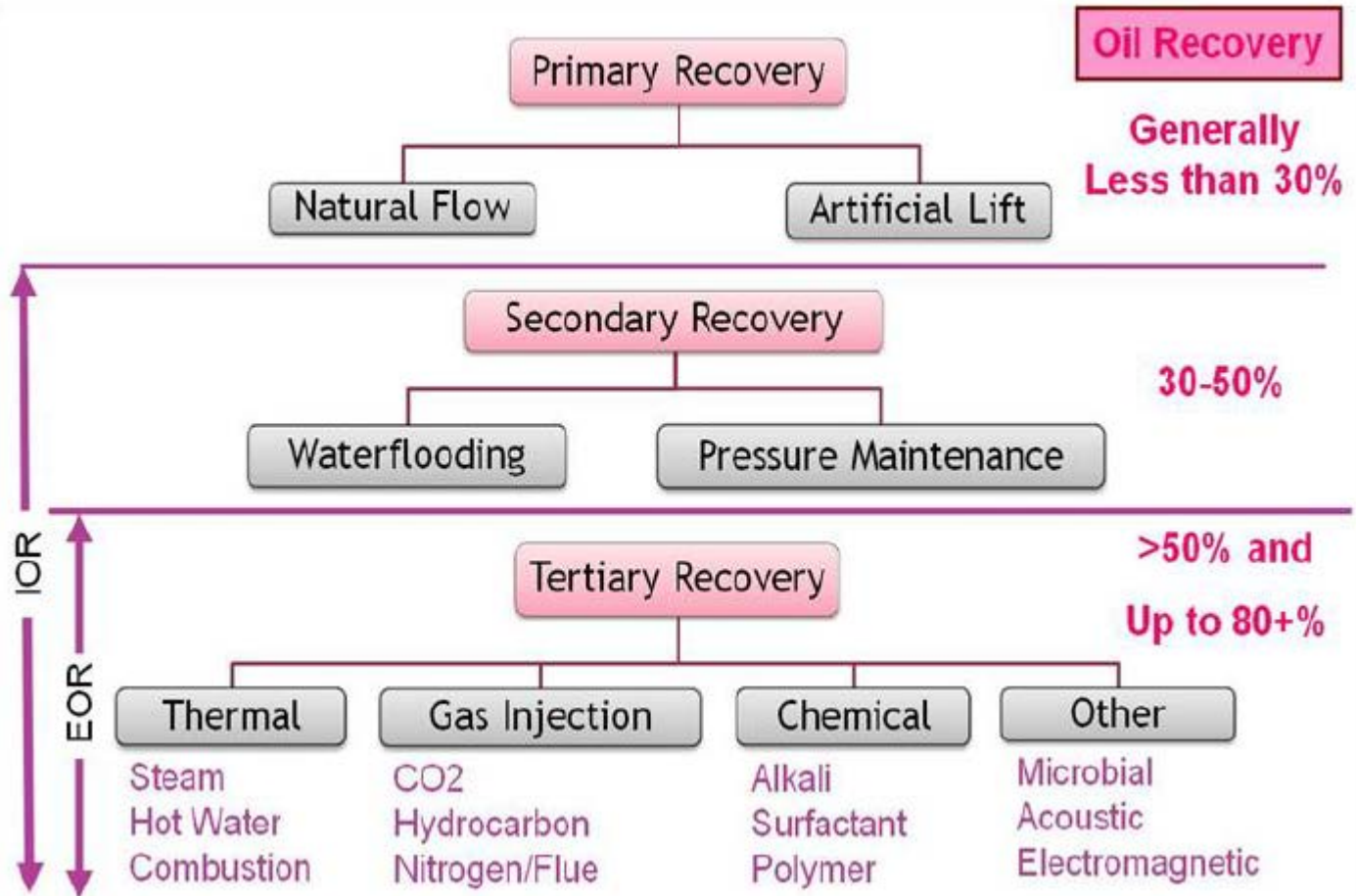


Enhanced Oil Recovery in einem volatilen Ölpreisszenario

IEA EOR Technology Collaboration Program

Dr. Torsten Clemens
Chairman IEA EOR TCP
Representative for Austria

What Does Enhanced Oil Recovery mean?



IEA EOR TCP

Objectives

- Evaluate and disseminate results of research and development of EOR
- Strive for demonstration and field testing and implementation of EOR

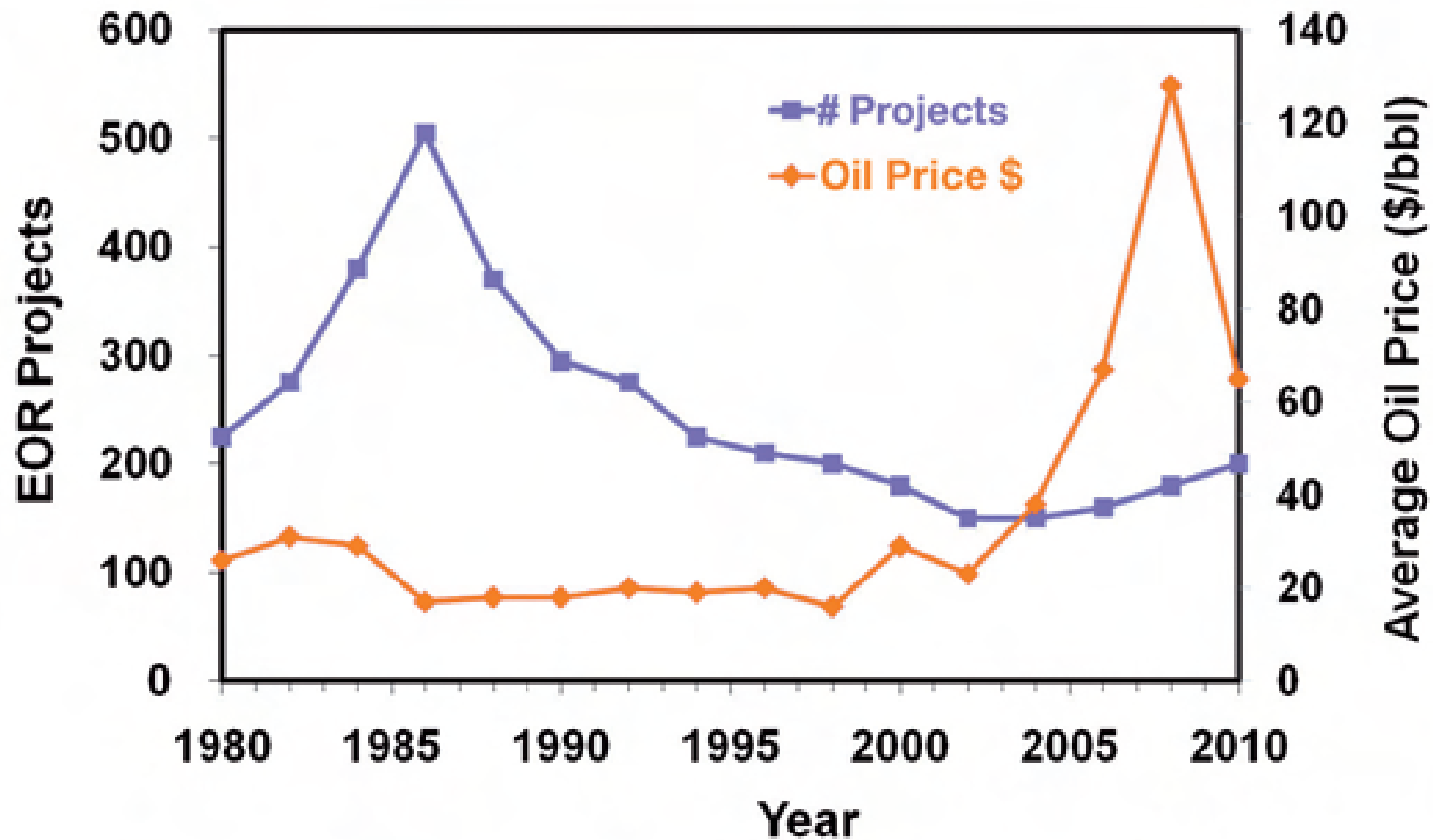
Links

- IEA Green House Gas TCP
- IEA Gas and Oil TCP
- IEA Clean Coal Centre TCP

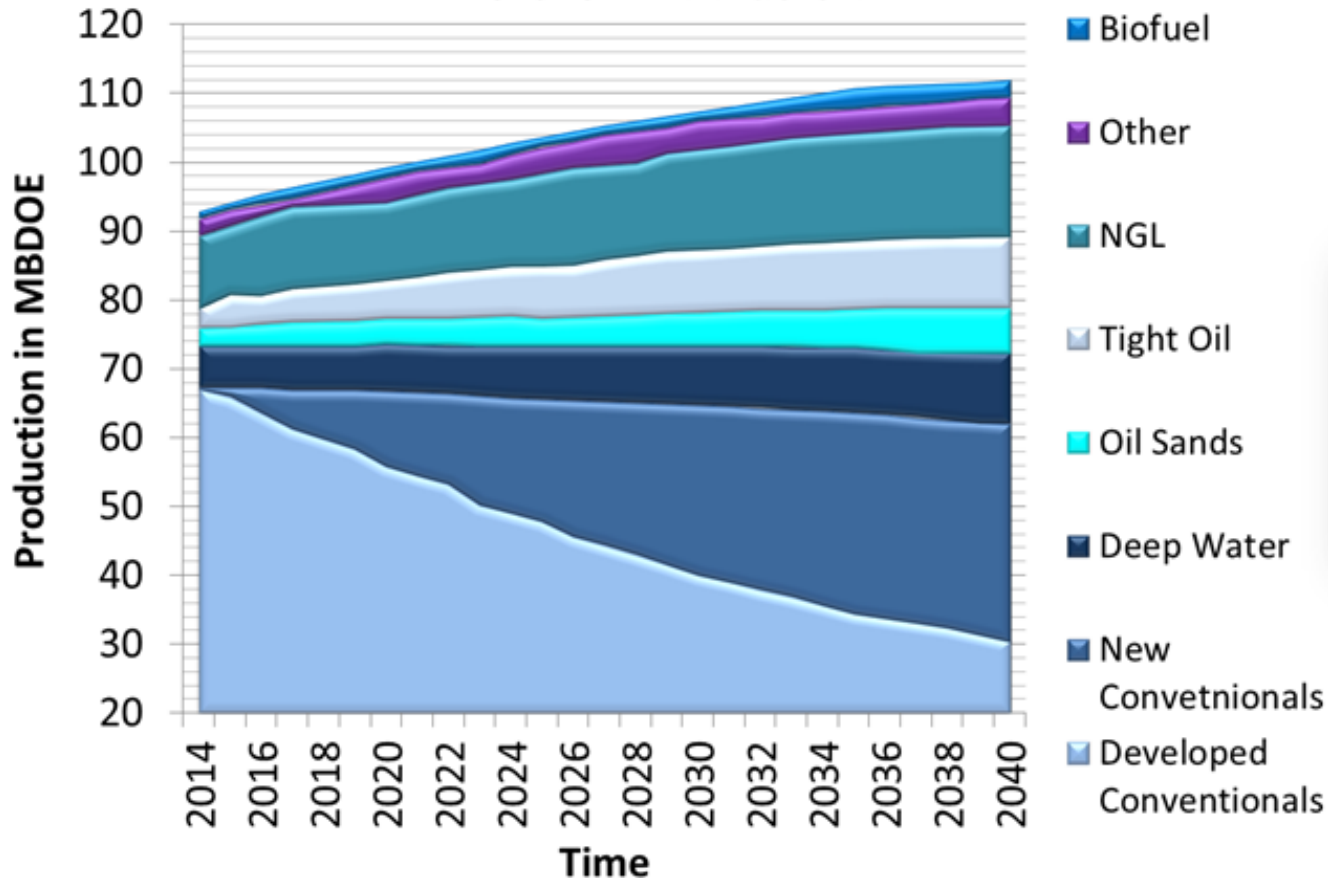
EOR Technology Collaboration Program Tasks

- A. Fluids and Interfaces
- B. Surfactants and Polymers
- C. Development of Gas Flooding Techniques
- D. Thermal Recovery
- E. Dynamic Reservoir Characterisation
- F. Emerging Technologies

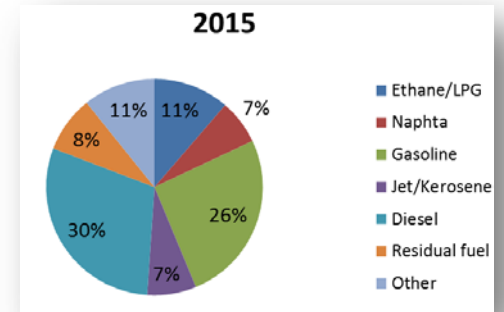
EOR Projects and Oil Price



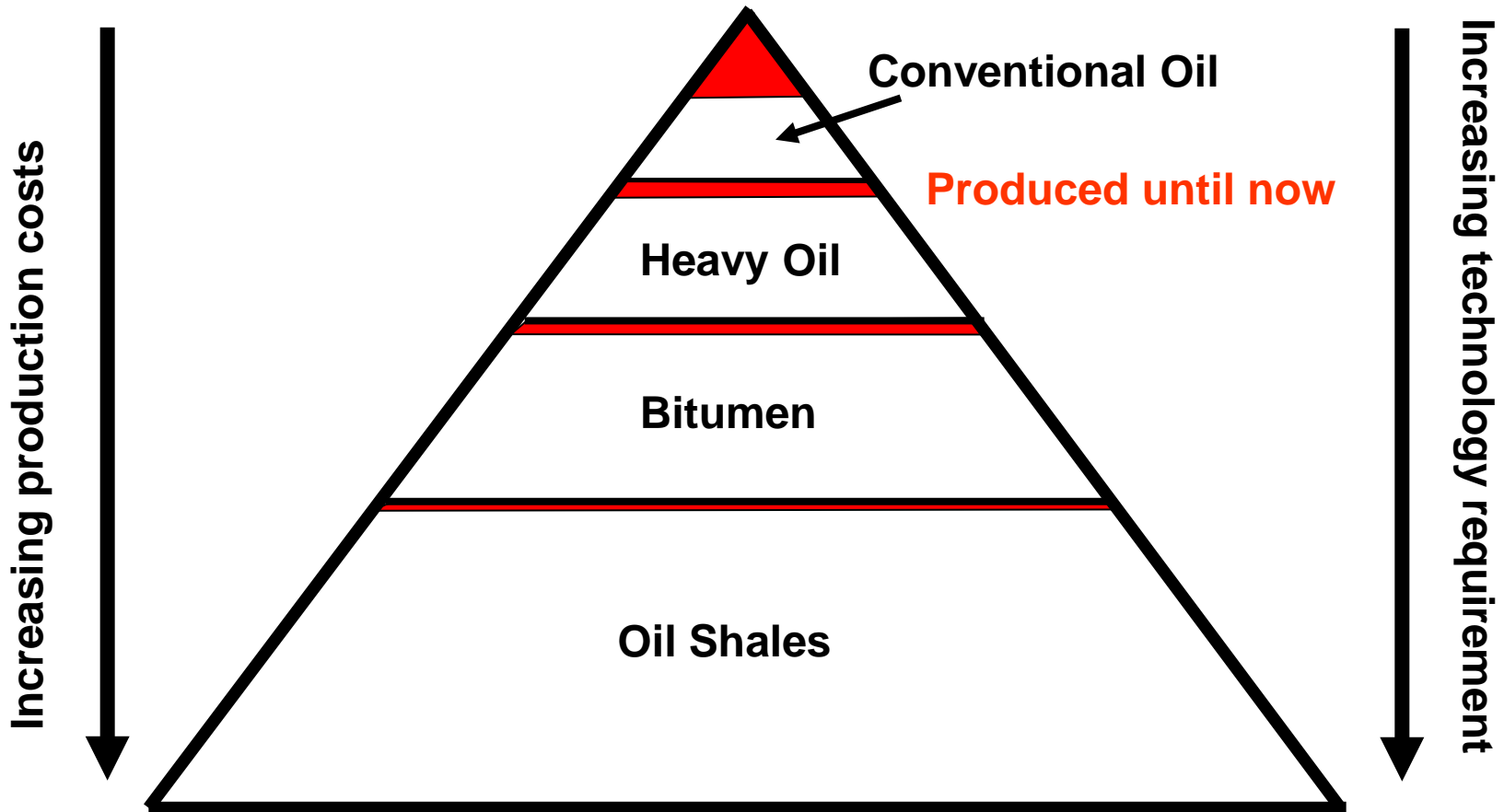
Oil Production Forecast



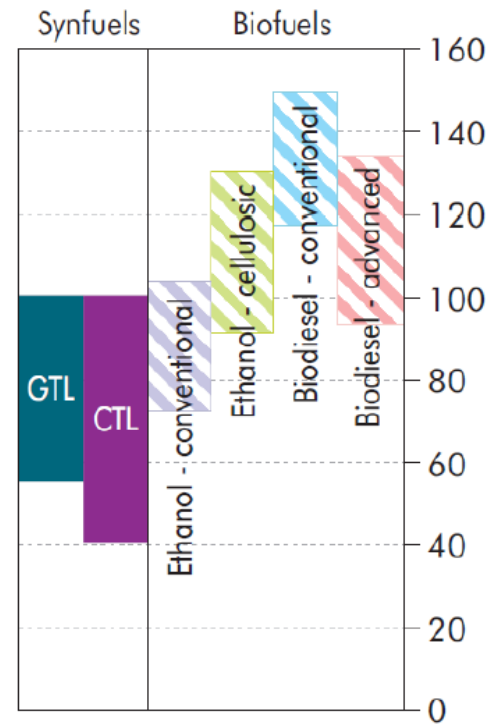
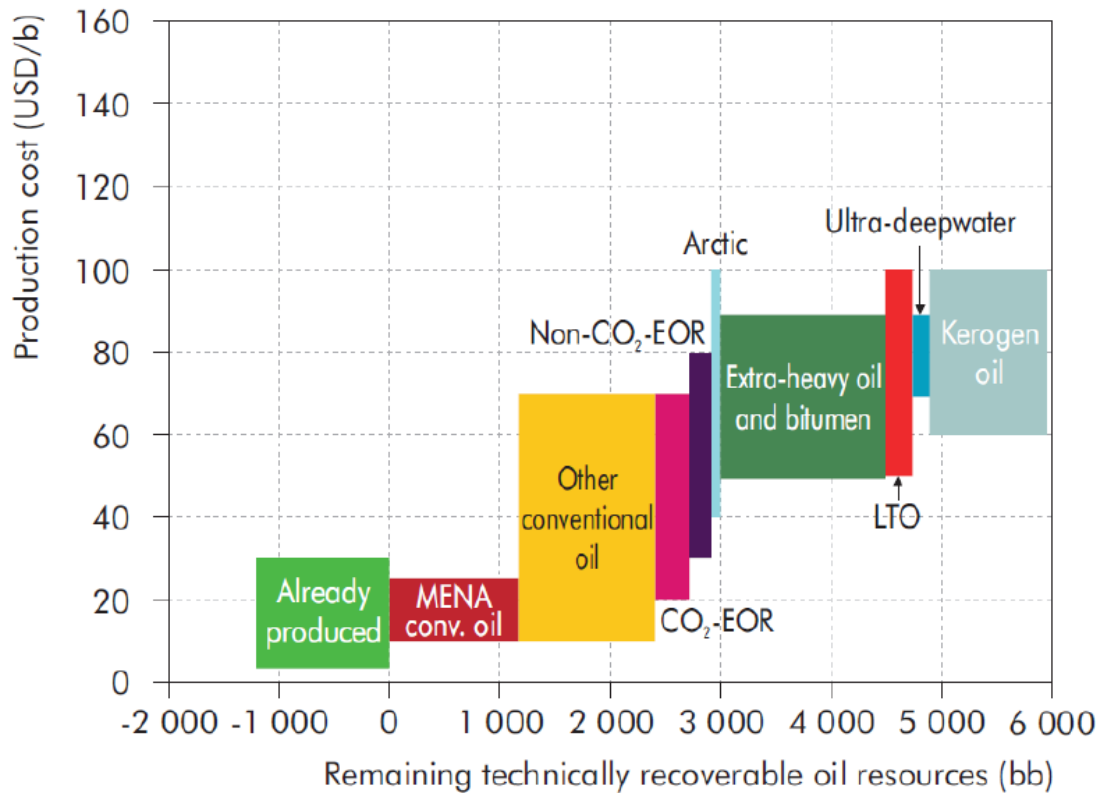
Split in liquid demand



Resource Pyramid



Costs for Oil Production versus Resources



Source: Resources to Reserves, IEA 2013

Conclusions

- Enhanced Oil Recovery is required to meet the oil production demand even in a 450 Scenario
- In the last years, EOR technology development was at a high pace and pilot projects were implemented
- Lower oil prices are slowing EOR technology development down
- The IEA EOR Technology Collaboration Program fosters knowledge exchange between member countries, facilitates technology dissemination and decreases cycle times for implementation of EOR and gives continuity at current oil prices