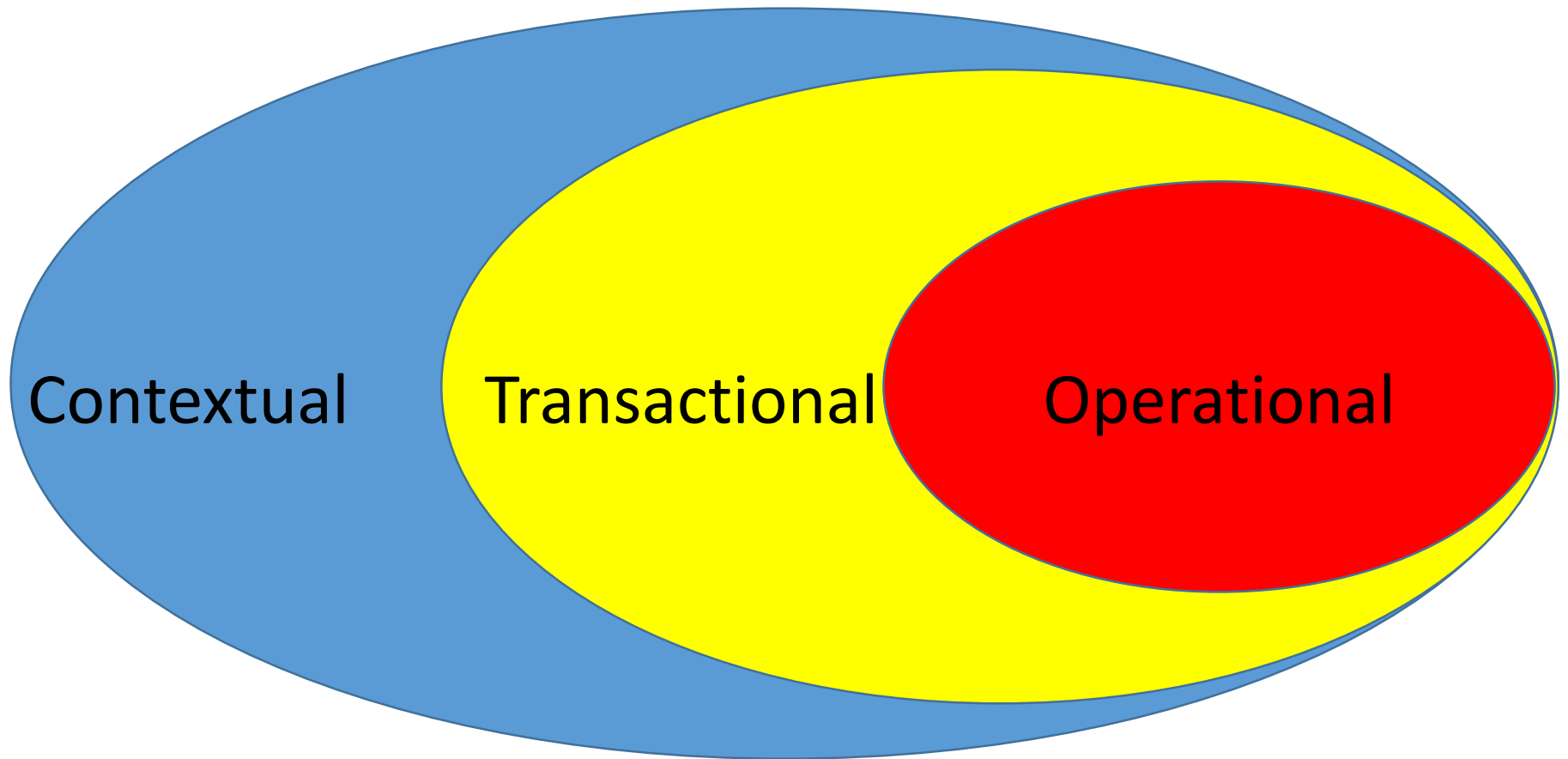


Scenarios to understand the strategic contextual environment

ENERGY



DRAFT Research Questions

Thematical / Sub-regional Case Studies & Deep Dives

ENERGY



Focal question: How can countries attain sustainable energy?

- Energy efficiency policies as enabler for other policies / holistic approach
 - Quantum leap of technologies: Technologies as game changer (not just quantum leaps but any improvements that move the needle (effect x quantity))
 - Synergies of RE & FF, RE grid-integration and RE and Gas or rather any market or production instrument that will balance supply and demand at relevant frequencies keeping in mind that capacity investments will be required but not used. To maintain a high return on capital employed it is important that unused capital is minimized. Do not invest in capital intensive swing capacity if there are cheaper alternatives, such as negatively correlated consumers.
 - Methane leakage from extraction, transmission, distribution
- Look to Nash type equilibria between energy carriers with externalities internalised as much as possible instead of the role of FF in a future sustainable energy system, competitiveness of RE compared to FF etc.

DRAFT Research Questions – cont'd

Thematical / Sub-regional Case Studies & Deep Dives



ENERGY

Focal question: How can countries attain sustainable energy?

- Government frameworks and industrial capabilities required to finance certain levels of RE as discussed by IBRD when addressing energy market design and renewable energy policies on the 13th of June (11:00-12:30)
- As above with respect to GHG capture and use/storage (or rather avoiding emissions)
- Social consequences of change: Depending on the rate of change, change of the energy systems can result in (unmanageable) social fragmentation. – Effects on employment and local, national and regional cash flows
- Sub-regional topics to be defined
- Others