
True North

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21st Century energy transition

An “all of the above” approach is needed

1. Energy efficiency standards become ubiquitous

- Mobility, stationary, household, commercial
- Third-party certifications

2. Fossil fuels mix optimised to lower emissions and eventually eliminated

- Coal > Gas > Hydrogen

3. Renewables and other technologies accelerated

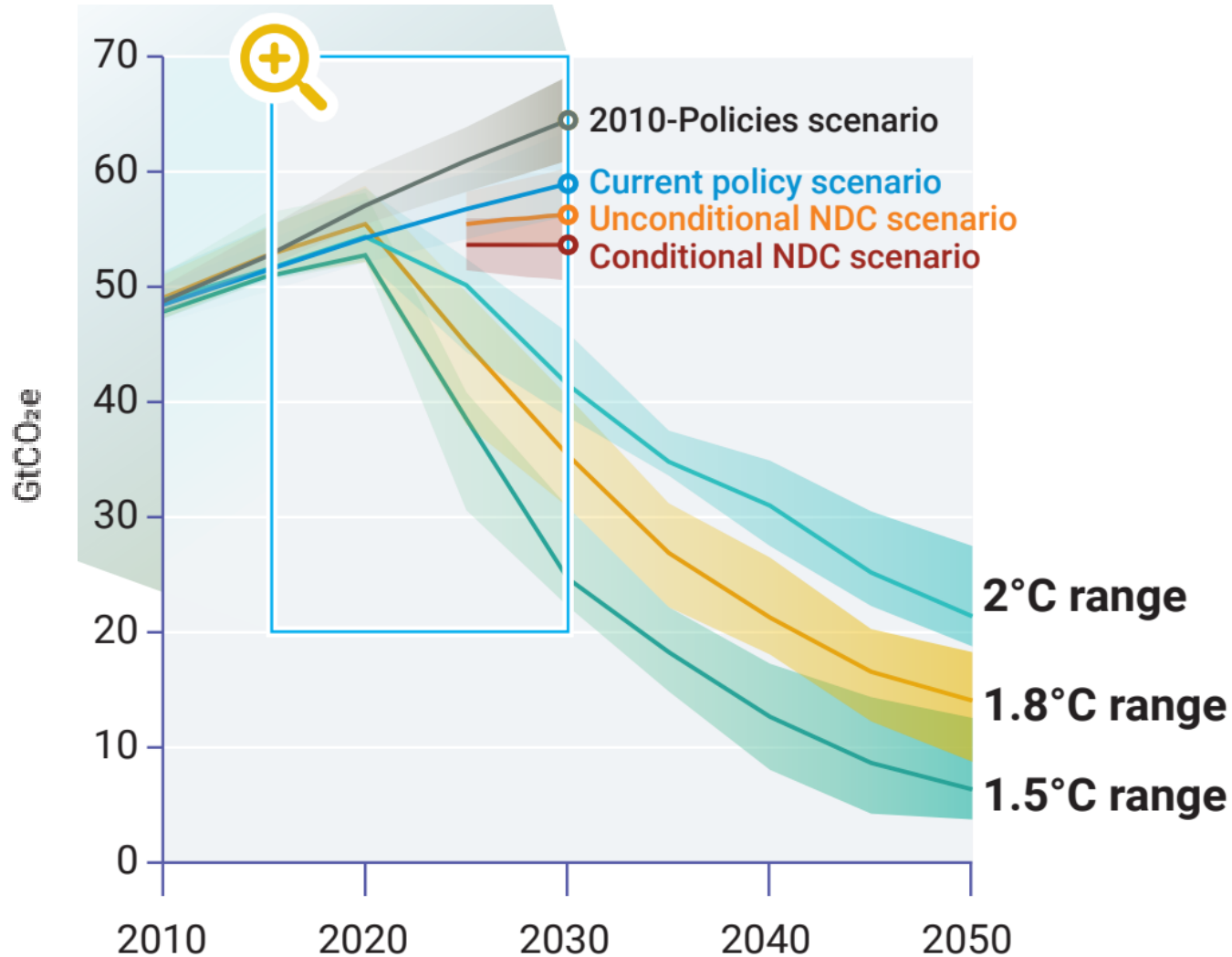
- Solar, wind, hydro, geothermal
- Nuclear
- Green hydrogen and CCS

4. Financial markets and regulators put in place the rules to do this

- Price on carbon
- Remove fossil fuel subsidies
- R&D incentives
- Appropriate and transparent metrics (TCFD, MSCI, etc.)

Our challenge

- UN Environment Programme: Emissions Gap Report 2020 – a look at where greenhouse gas emissions are predicted to be in 2030 and where they should be to avoid the worst impacts of climate change.

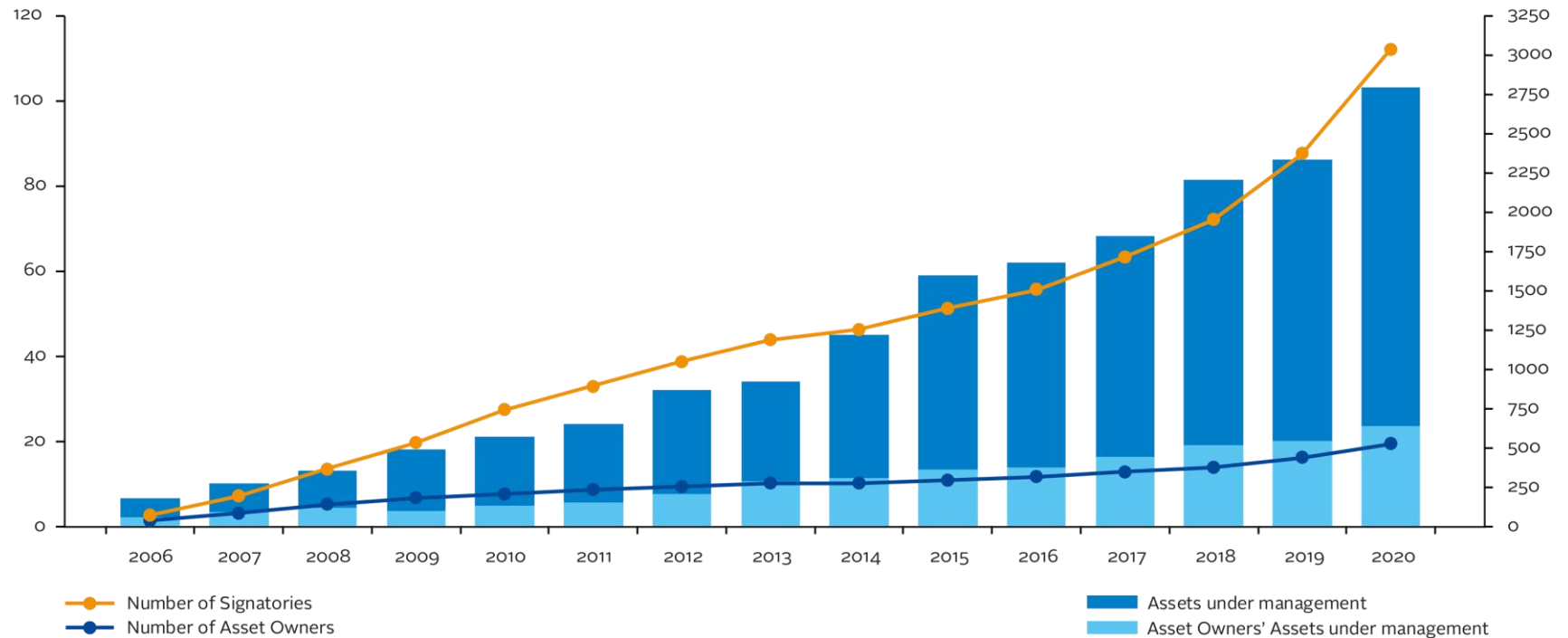


ESG forces playing a leading role

- ESG forces are playing a leading role in directing capital.
- Signatories to the UN-supported Principles for Responsible Investment have c. US\$103.4 trillion of assets under management. This total is growing rapidly.

Assets under management (US\$ trillion)

N° Signatories



Opportunities in the Northern Territory

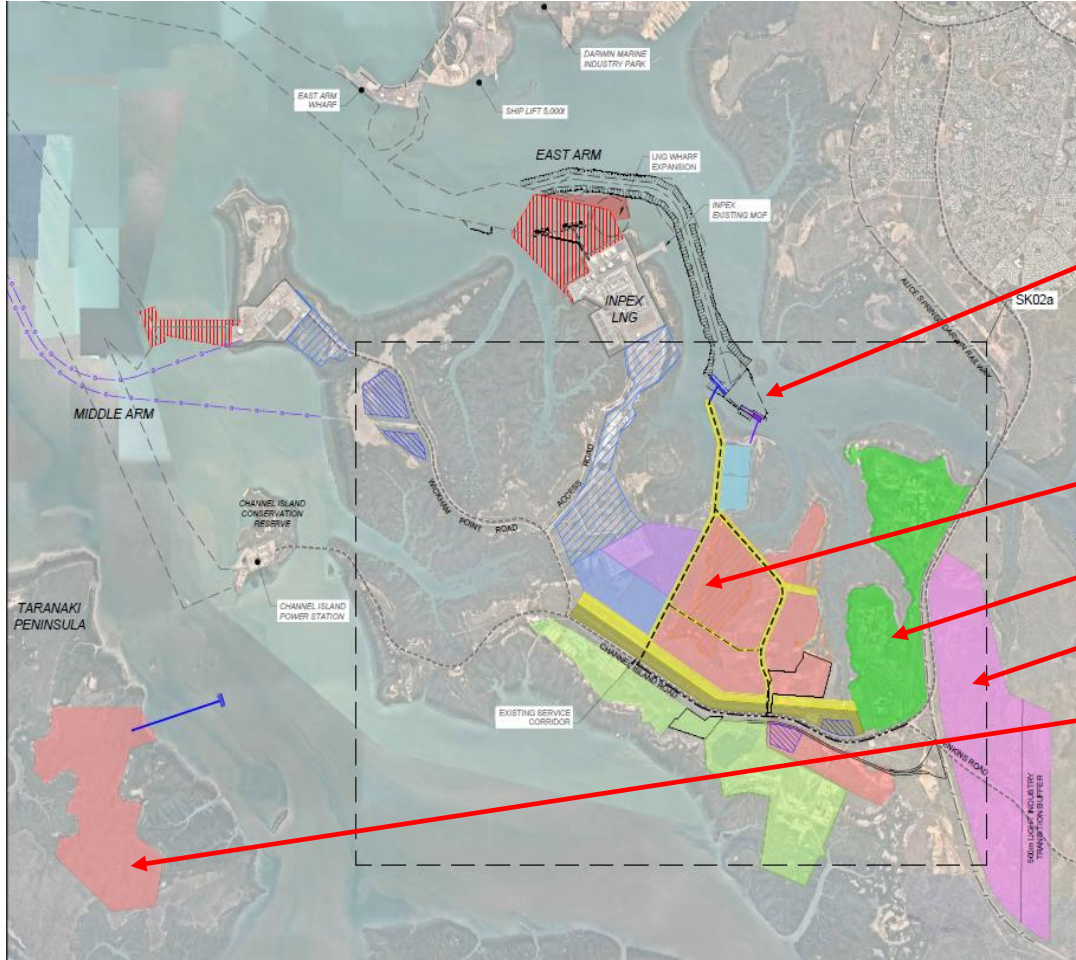
inputs  **enablers**  **outcomes**

- Renewable energy
- Gas
- Strategic minerals

- Investment
- Land
- Infrastructure
- Skills
- Project delivery experience

- Green hydrogen and ammonia
- Green steel
- Sustainable manufacturing
- Low emissions petrochemicals and minerals processing
- Services and supply opportunities

Middle Arm Industrial Precinct – Sustainable Development Plan



The Middle Arm Sustainable Development Precinct plan includes:

- Marine infrastructure;
- Headworks and servicing infrastructure for:
 - Gas industry precinct;
 - Strategic minerals refinery;
 - Support industries
- Future gas terminal (Taranaki).

Toolbox for the 21st century

We need top-down strategies to deliver outcomes

- 1. Skills in digital and artificial intelligence**
- 2. China-literacy and a rules-based global order**
- 3. Environmental, social and governance considerations as a central driver**