

How did we get there from here?

Key ingredients for an effective, efficient and just path to low emissions

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Australia-New Zealand Climate Change and Business Conference
Auckland, 21 October, 2015

Where is 'there'?

Limit temperature rises below 2°C

The world transitions to a zero-net-emission economy by the end of this century

New Zealand (and Australia) transition even faster...

and help other countries along the way.



Net-Zero Emissions Future Vision



Change is continuous

Alternative is not status-quo.

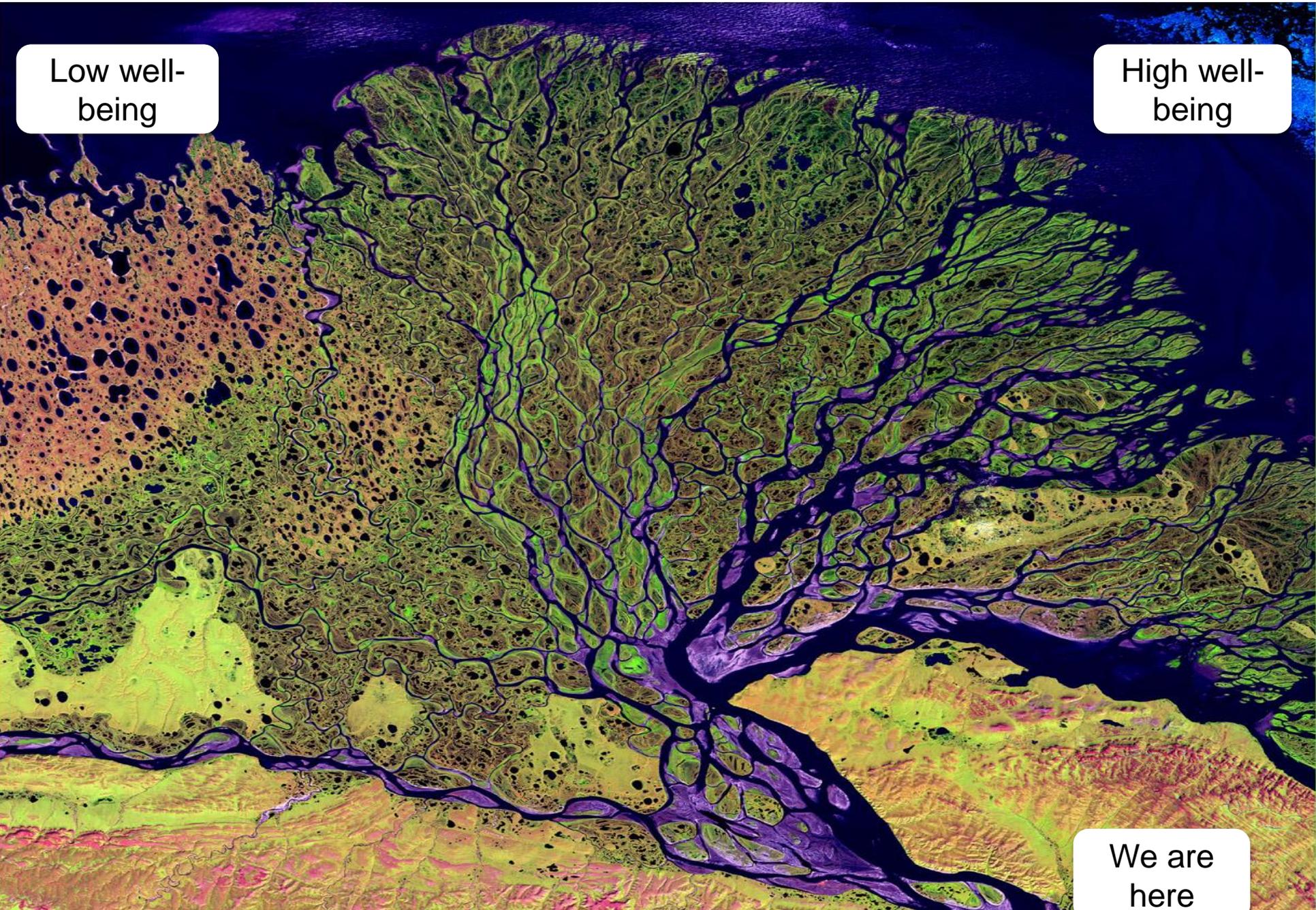
We need to bring in the new,
and usher out the old.



Net-Zero-Emissions Future

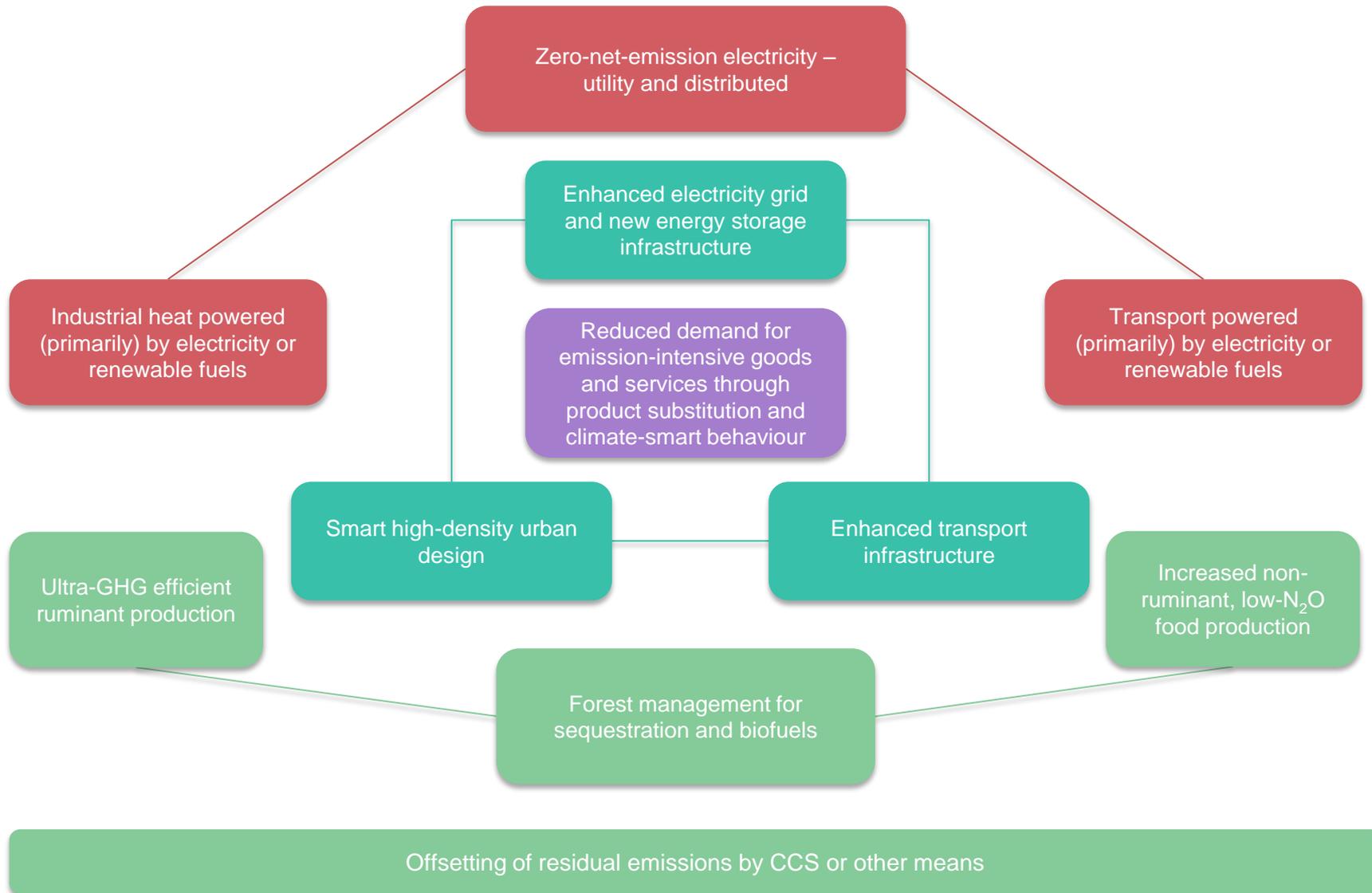
Low well-being

High well-being

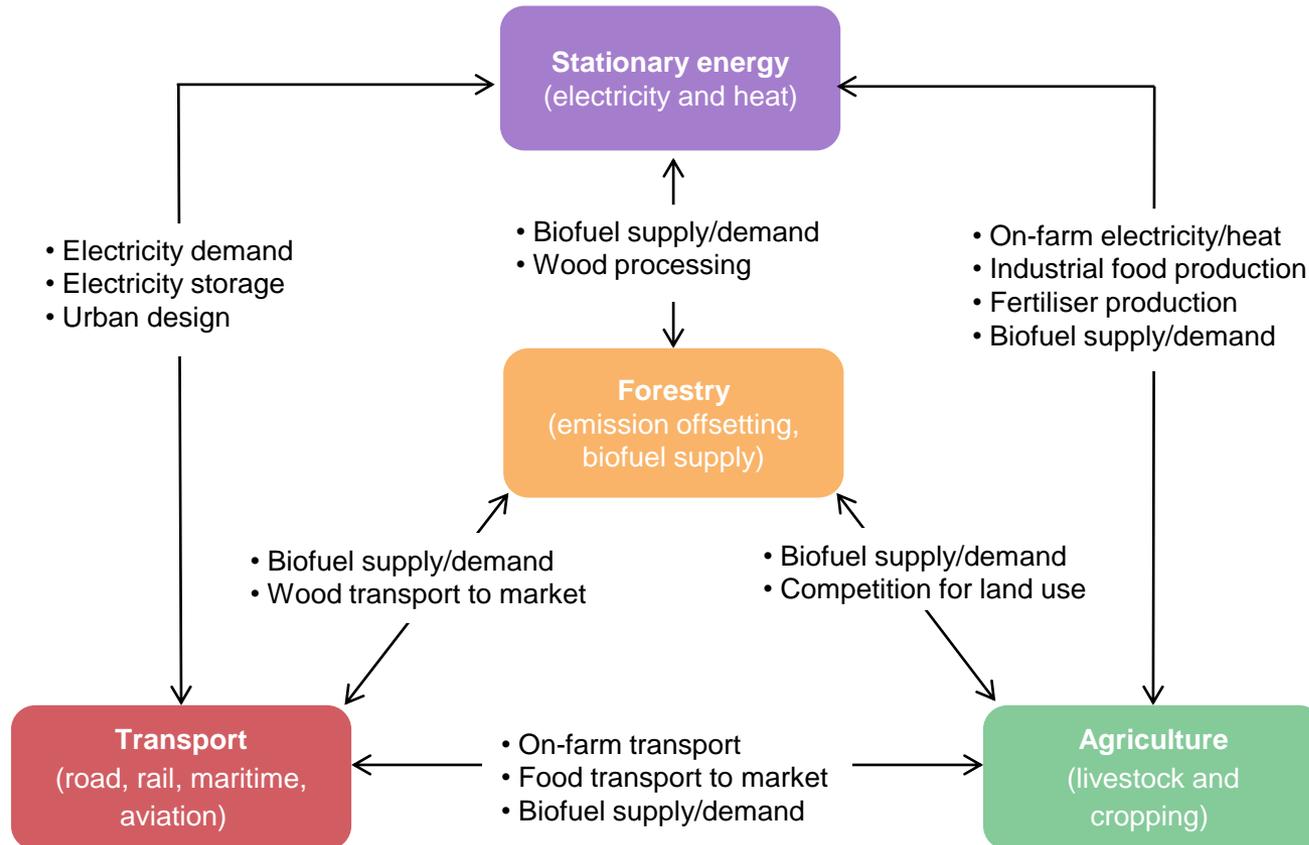


We are here

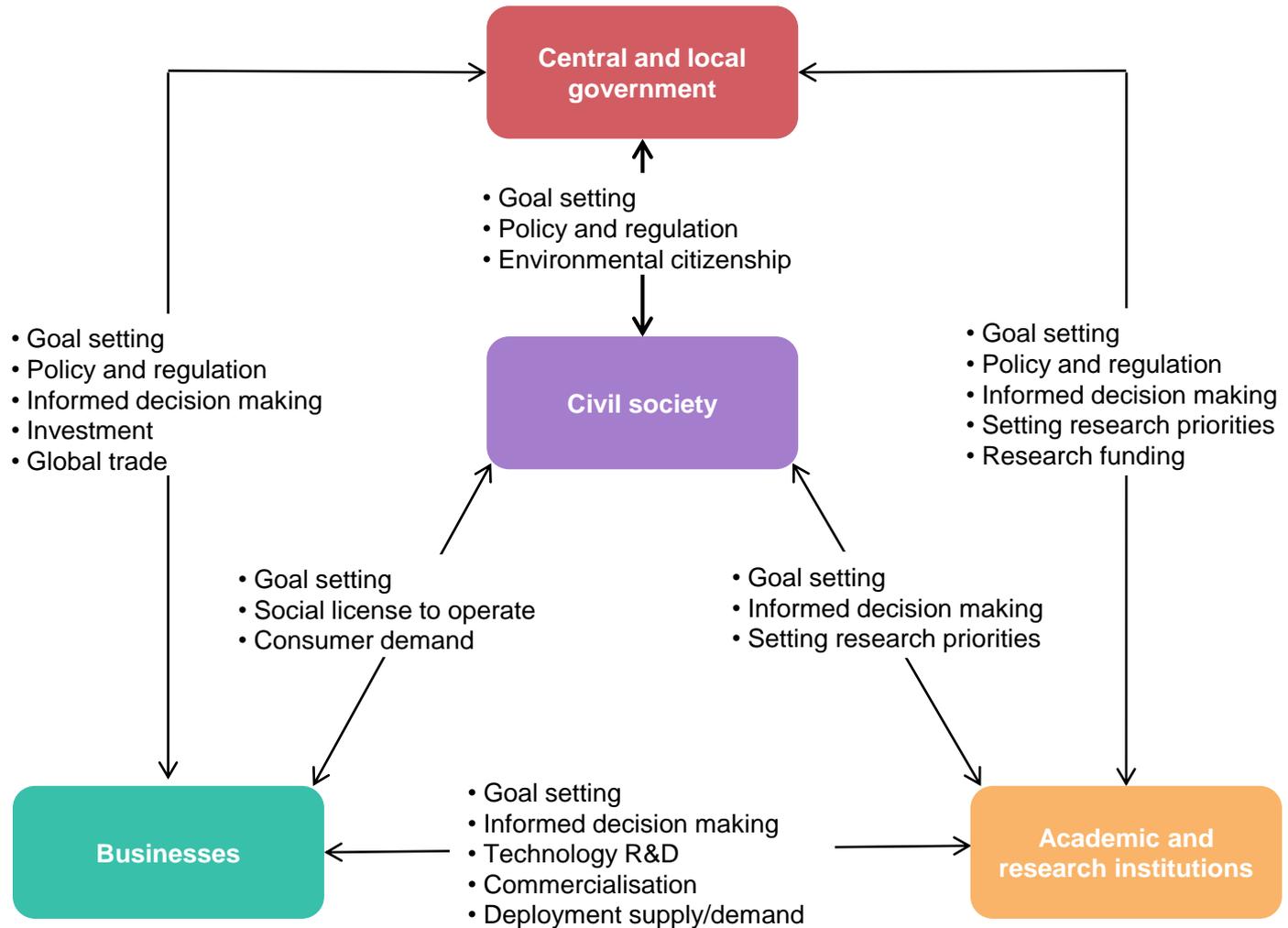
Driving a Net-Zero Emissions Future



2050 Pathway Linkages



Who Will Make Change Happen?



But we don't know where we are going!

Consider the consequences of options

Make decisions

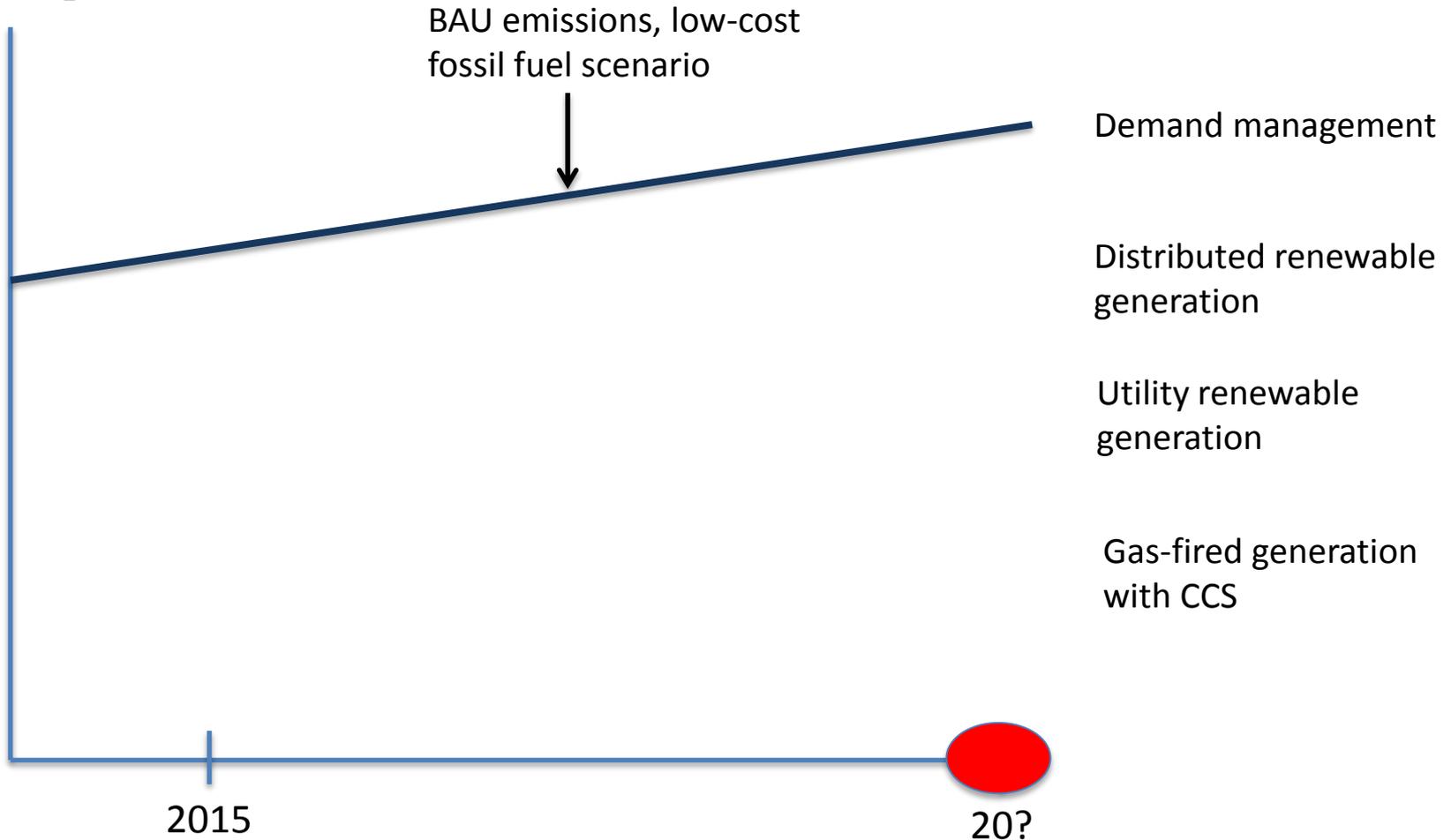
Maintain and expand options



But we don't know where we are going!

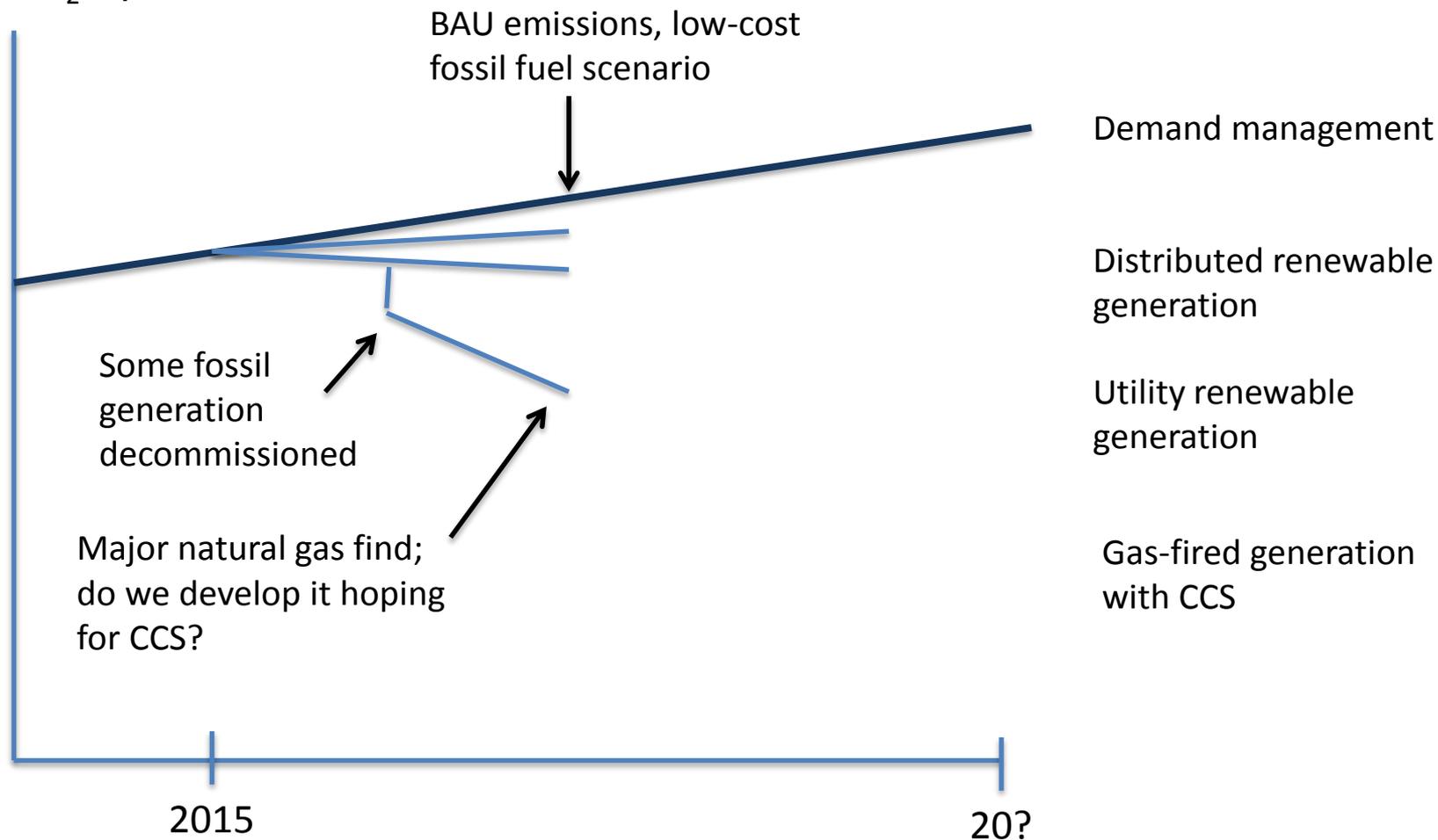
Zero carbon electricity production

Mt CO₂e/yr



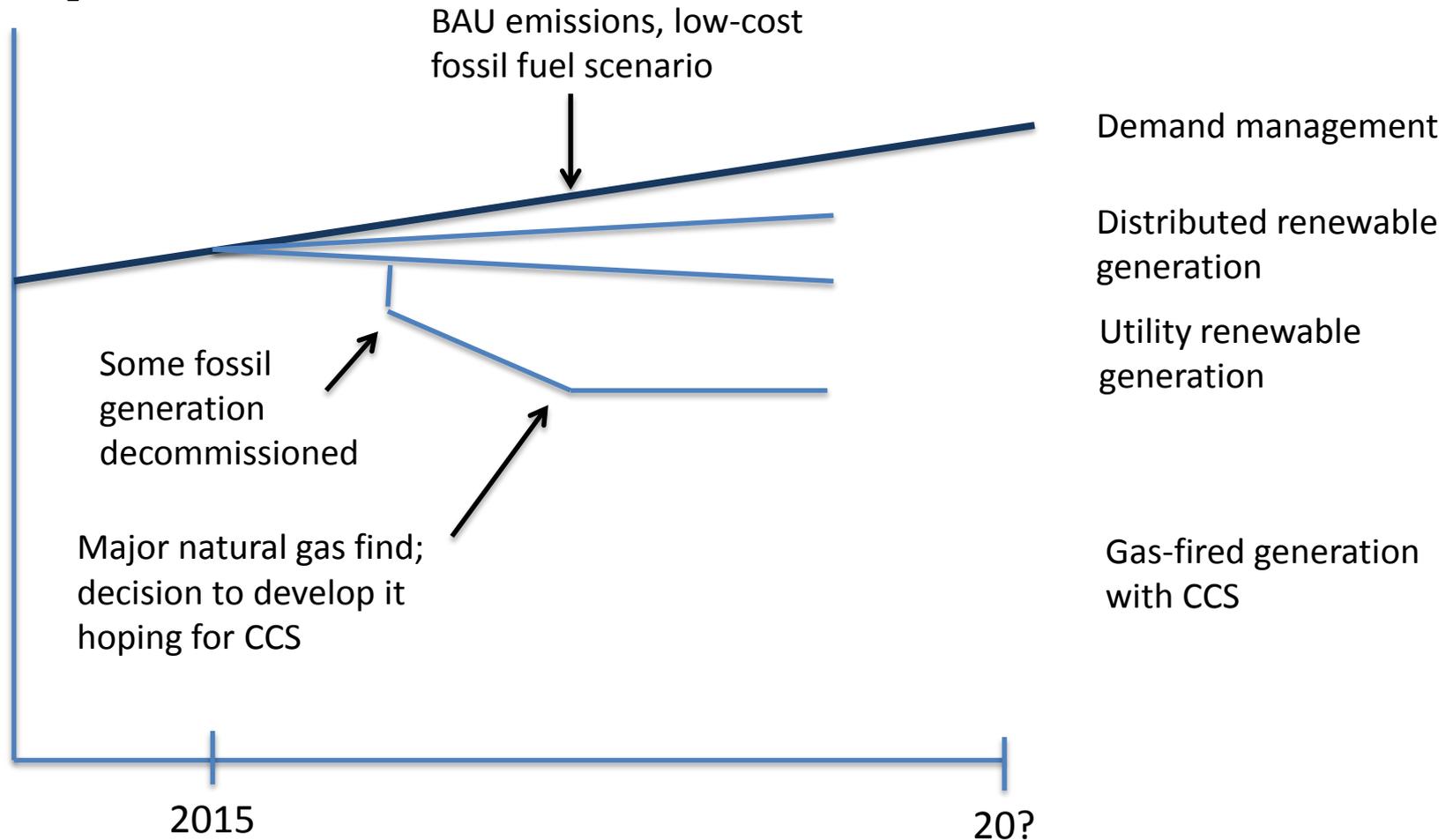
But we don't know where we are going!

Mt CO₂e/yr



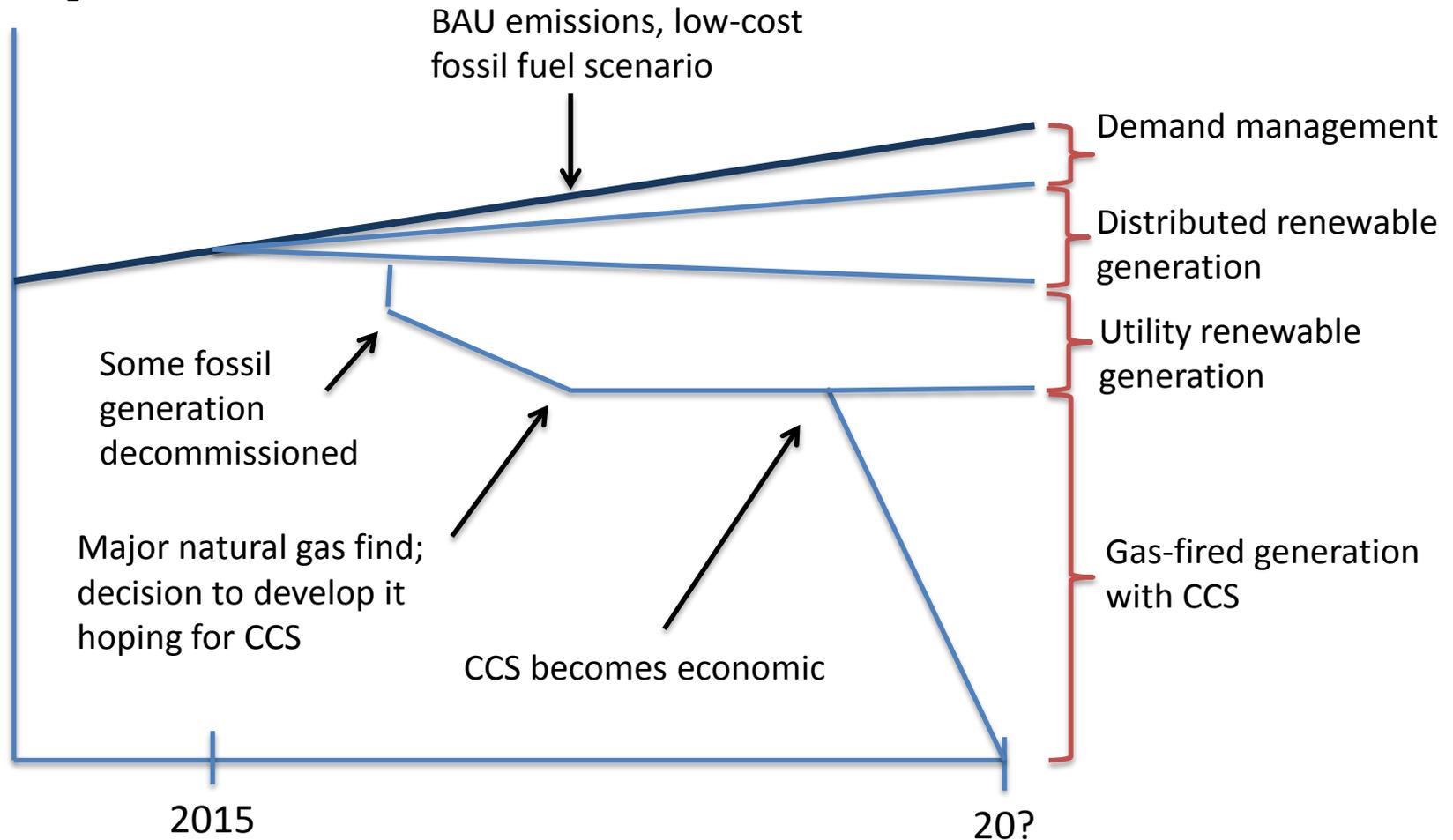
What if we choose the gas route?

Mt CO₂e/yr

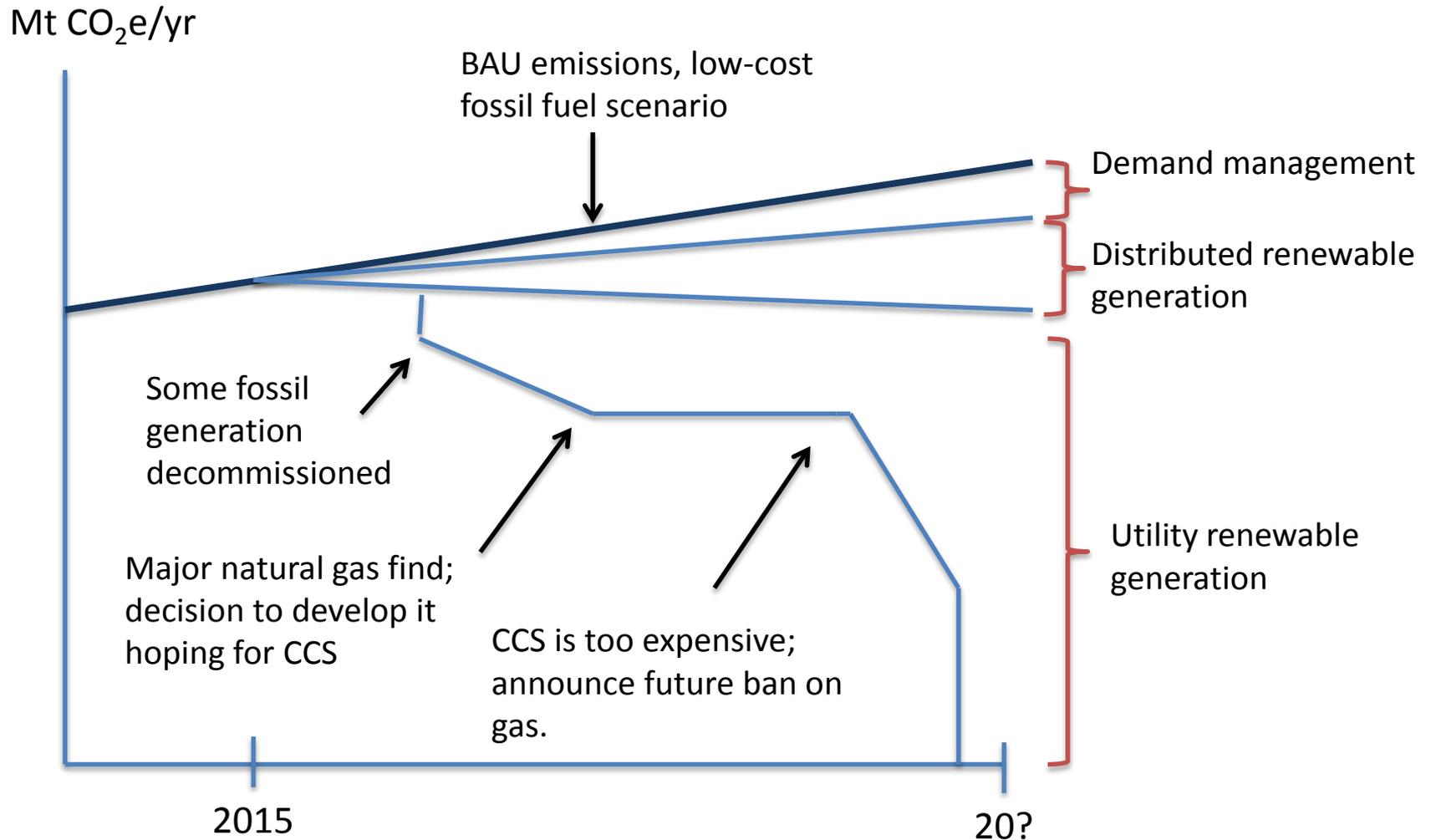


Technology might come through

Mt CO₂e/yr

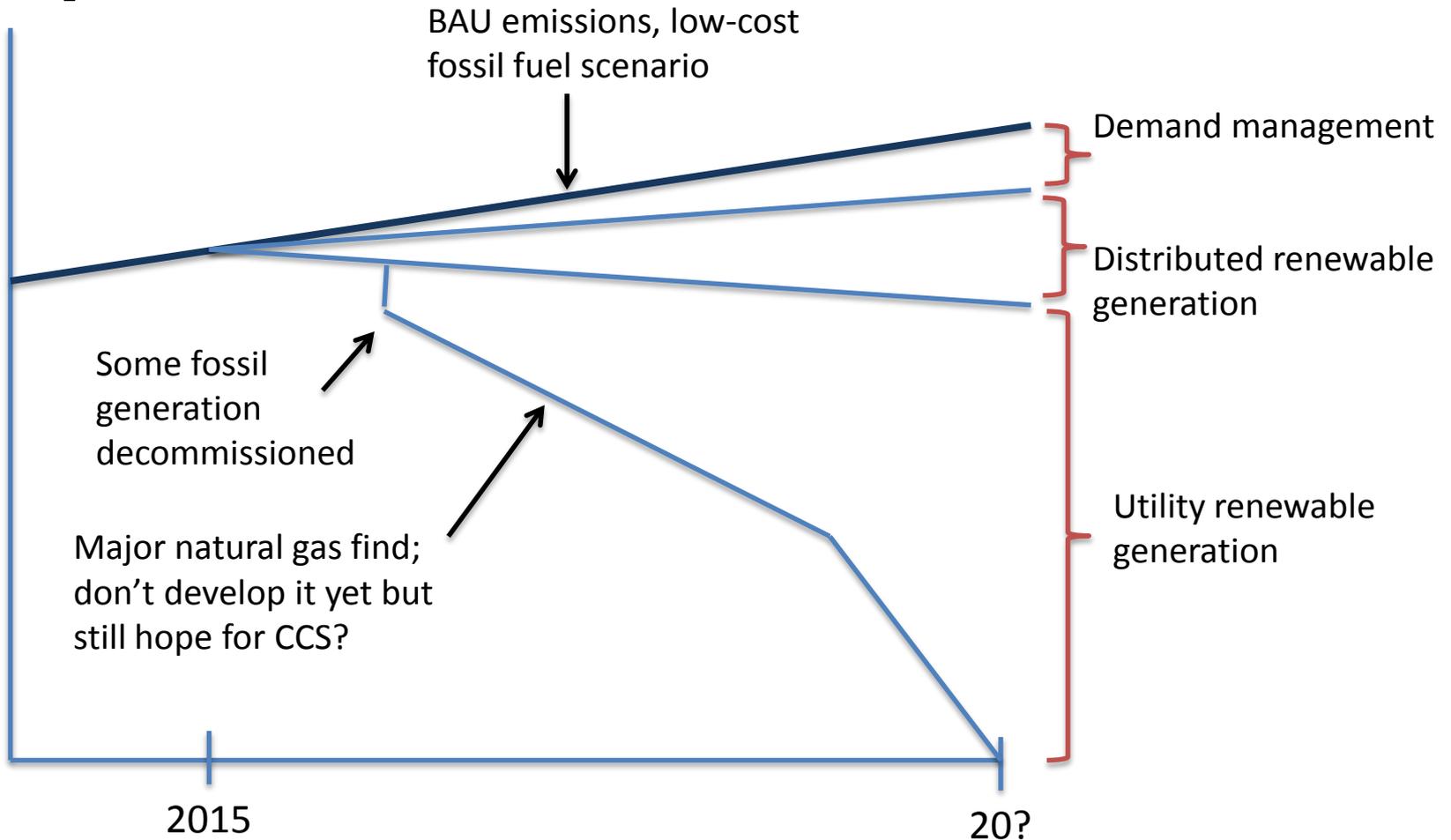


But it might not – how do we make sure we are prepared?



Is this a more cautious alternative?

Mt CO₂e/yr



NZ and a zero net emission world

Help others to help us

We are like a developing country

Our innovations – especially in actions – might work for them

We are liked and trusted

We can tell our stories and share our skills better – and may be able to export.

But it is hard – we need to do it systematically
Can this be done with business?



How do we get there from here?

Look back from success

- generates more ideas, and avoids despair

We can't predict the path

- Use imagination and careful thought
- Maintain and enhance options

A multitude of actions and actors

Most mitigation will happen in developing countries

- let's be an active part of that

Need for broad social process

- Transparent
- Well-informed
- Trusted
- Wide range of perspectives

A leaders' group to frame a net zero emission vision that everyone can support?

An ETS review outside government?

