

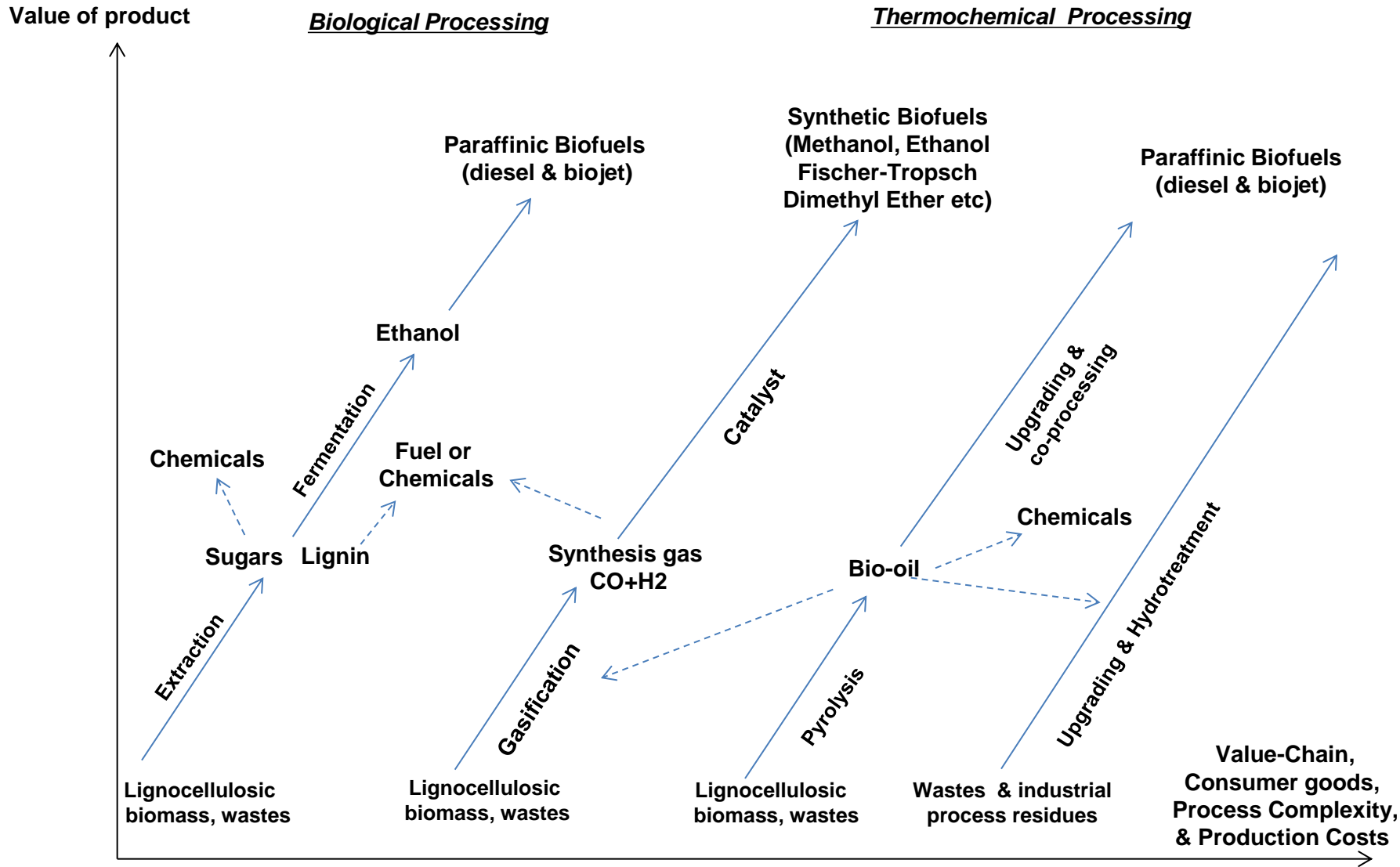


Decarbonising transport with Advanced Biofuels

What does it take?

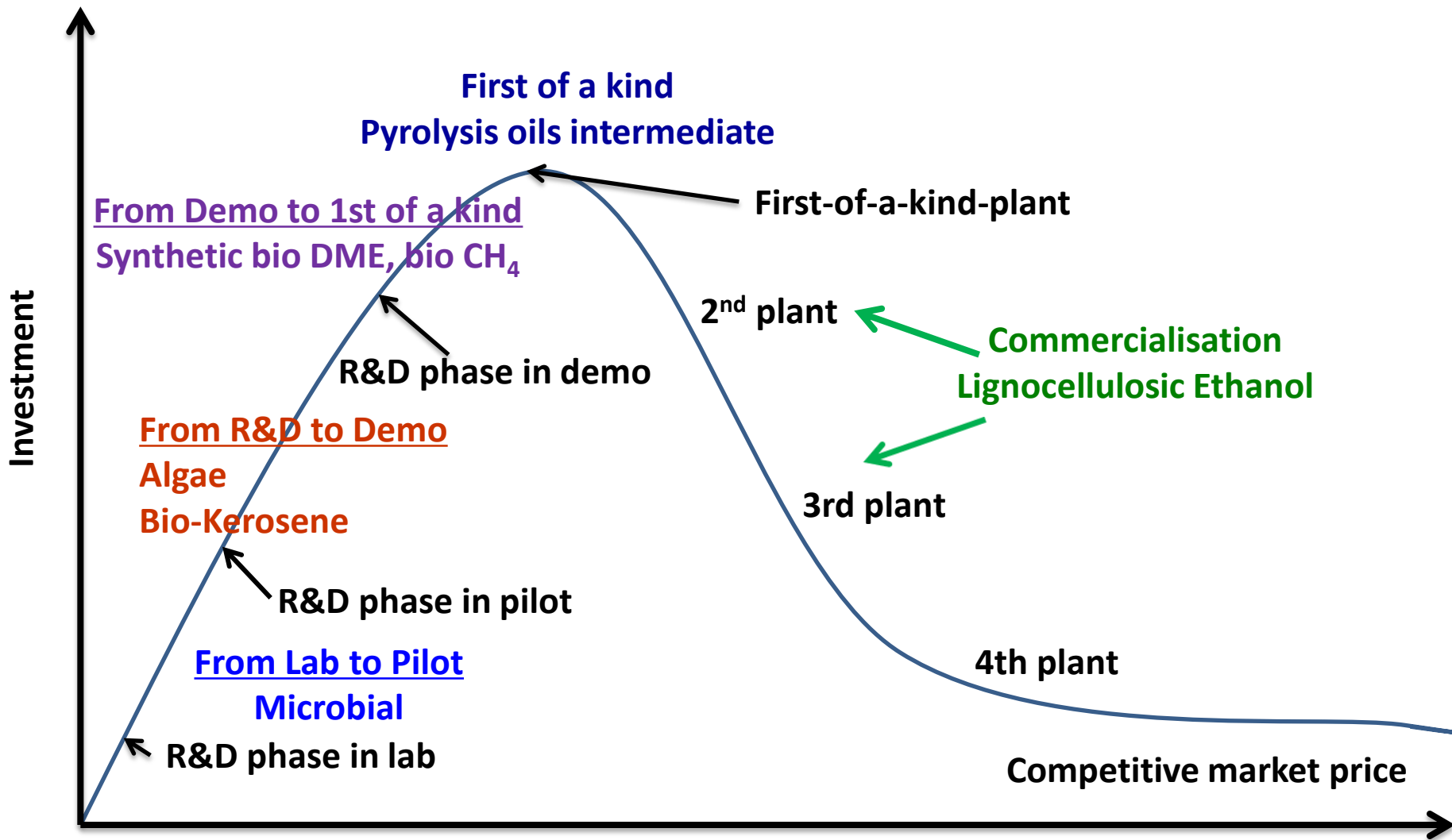
Kyriakos Maniatis

**Energy Technologies Innovation & Clean Coal
DG ENER, European Commission**



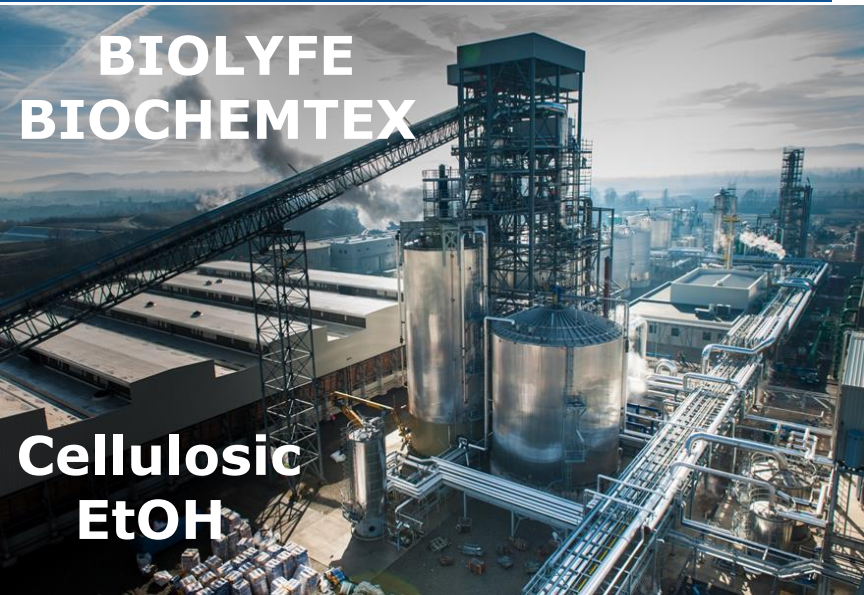
Adding value to biomass by processing to advanced biofuels and to biochemicals

Technology Valley of death: Positioning of FP7 supported technologies





European
Commission



**BIOLYFE
BIOCHEMTEX**

**Cellulosic
EtOH**



**EMPYRO
BTG**

Bio-Oil

**Project specification to
construction completion 3-4 yrs**

Commissioning: 4 months

Life time: 25 yrs

Approximate pay back: 7-10 yrs

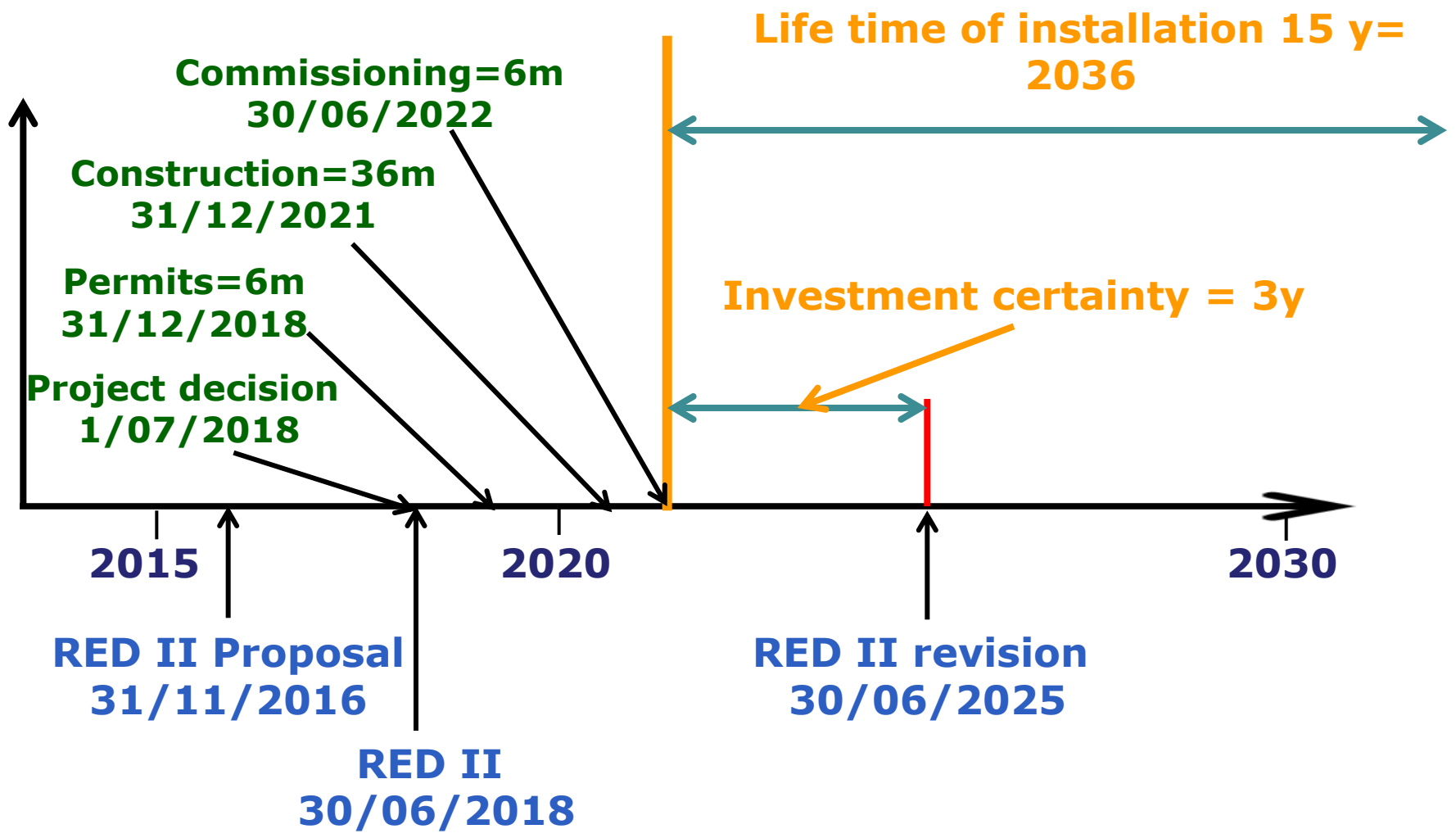
**Project specification to
construction completion 4 yrs**

Commissioning: 3-6 months

Life time: 15-20 yrs

Approximate pay back: 15 yrs

Time to construct an advanced biofuel plant



**Do advanced biofuels have a significant role
to play in decarbonising transport
up to 2030?**

Yes or NO ??

If YES,

**then any new policy initiative for advanced
biofuels **must** provide a **stable** framework
up to 2030.**