

# Cornwall's low carbon journey



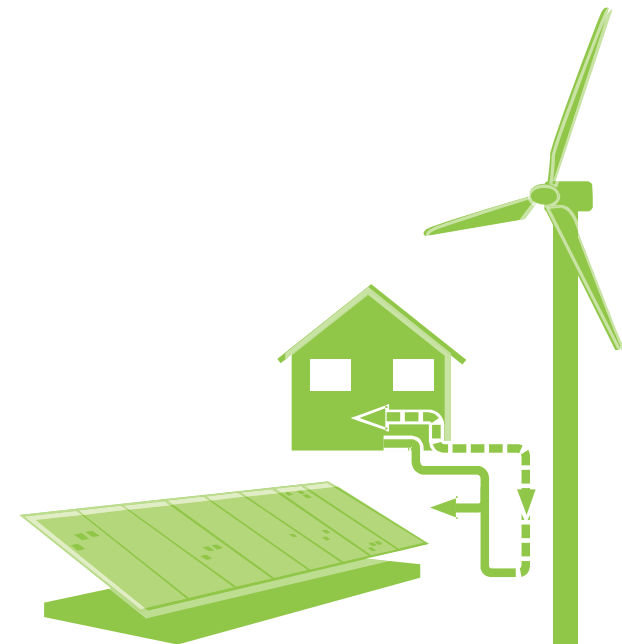
**Steve Ford**

Green Cornwall Programme Manager



# Council ambition

- Business plan
- Strategy
- Growth Deal
- Case for Cornwall
- EU programme
- **Greater local control**



# Team and approach

- Green Cornwall – Future Economy – programmes
- Small core team – matrix management
- Specialisms and generalists
- Economic development
- PACS, Member events, community forums, national government, newsletters
- Capital budgets



# Cornwall's low carbon journey

## Green Cornwall: building blocks

Community energy  
RLF

Energyfund

Drive EV

Glow Cornwall

Geothermal

ORDP

Smart Cornwall

HNDU

465MW

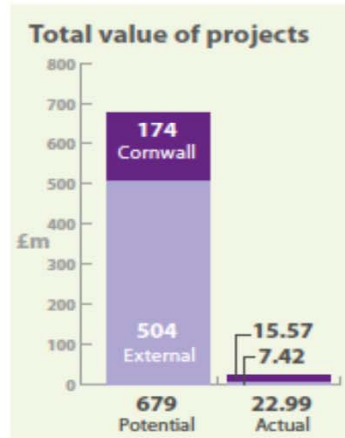
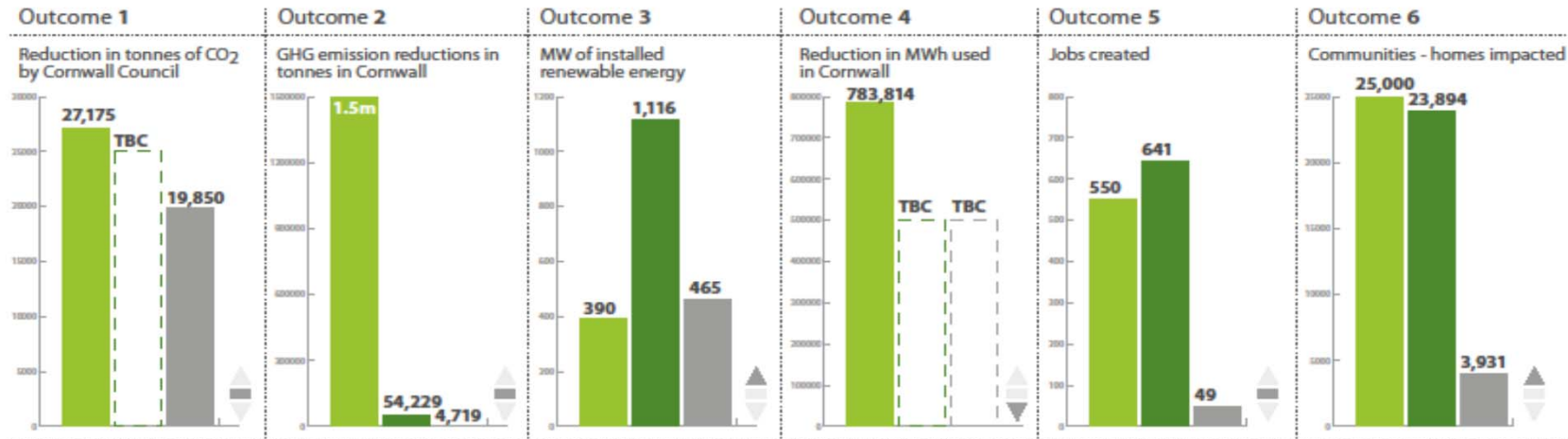
R & D

# Our outcomes

## Green Cornwall Programme

Quarter 1 - January 2015  
Outcomes target date 2020

Key ■ Target ■ Potential ■ Actual



- ### Exception reporting - RAG and issues
- Drive EV**
    - Complex 3rd party negotiations and timescales
  - EU SIF TO5 & TO6**
    - Resource
  - Grid connection**
    - Inward investment impact
  - Mains gas connection**
    - Final decision required
  - Schools energy programme**
    - Permissions and funding models
  - GC intelligence**
    - Resource

- ### Success reporting
- Glow Cornwall**
    - 1,500 properties with measures
  - Drive EV**
    - £345,000 secured
  - Geothermal**
    - First generation for 30 yrs
  - National working group**
    - Offshore renewables, grid and geothermal

- ### Major projects - RAG and progress
- ETI**
    - Bid outcome awaited
  - Glow Cornwall**
    - 1,500 properties
  - ORDP**
    - Networks strengthening
  - Geothermal**
    - Funding option positive
  - Smart Cornwall**
    - Project delivery plan progressing
  - EU SIF**
    - Significant projects scoped
  - CC renewables**
    - Wind consultation underway

### Programme summary

The programme continues to advance well on a number of fronts but resource issues are hampering progress in several key areas.

April 2015

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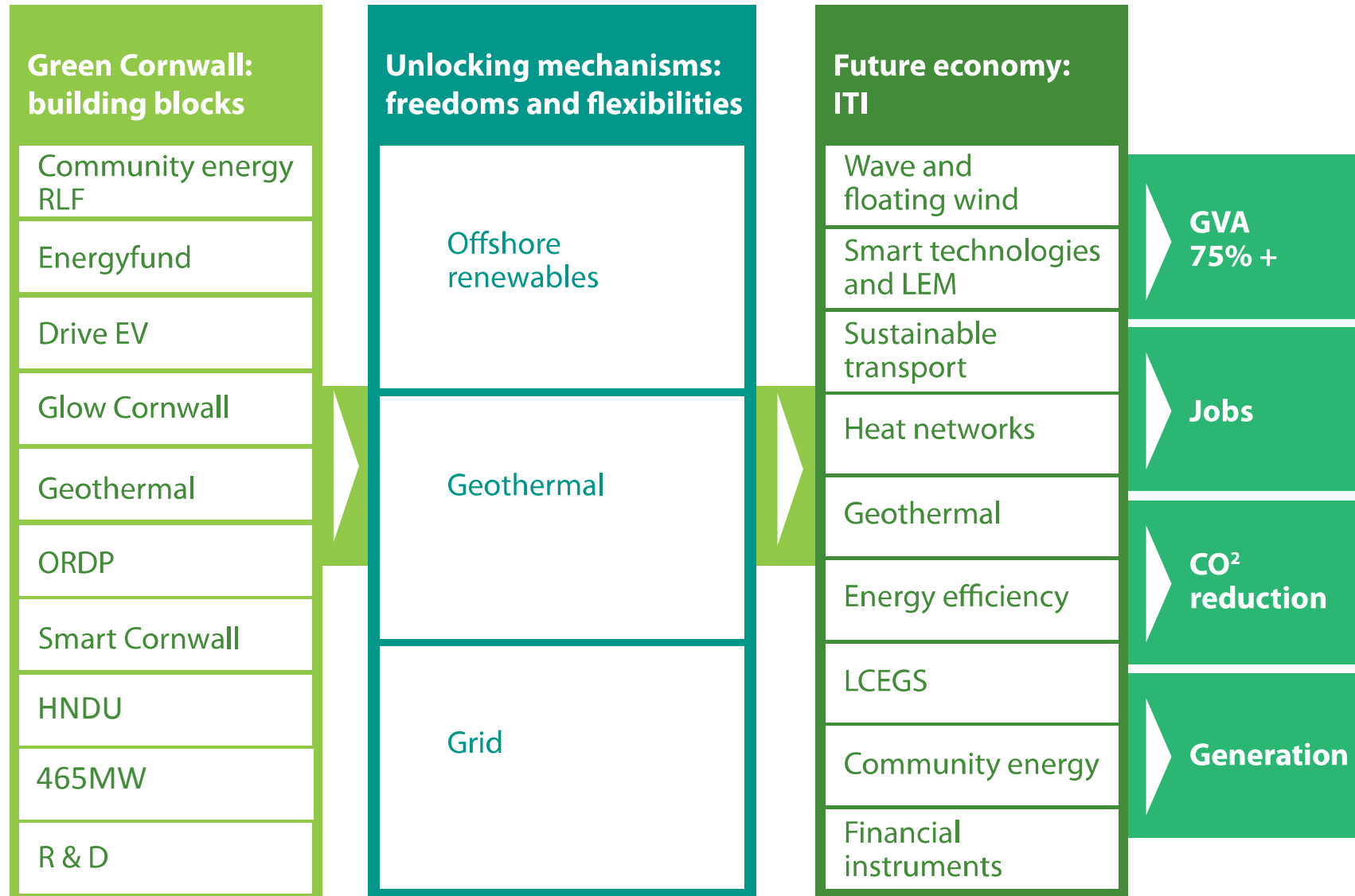
## Unlocking mechanisms: freedoms and flexibilities

Offshore  
renewables

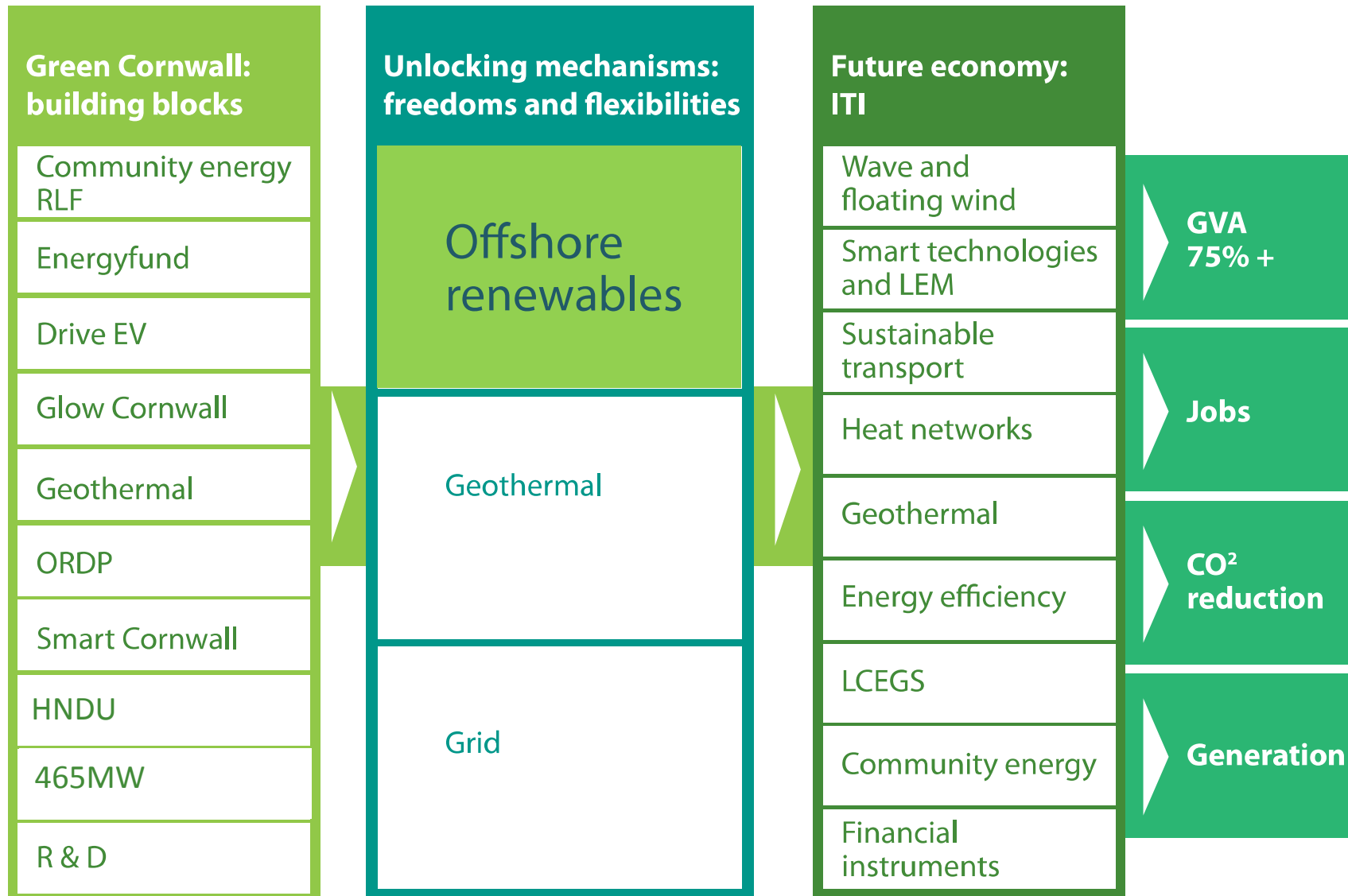
Geothermal

Grid

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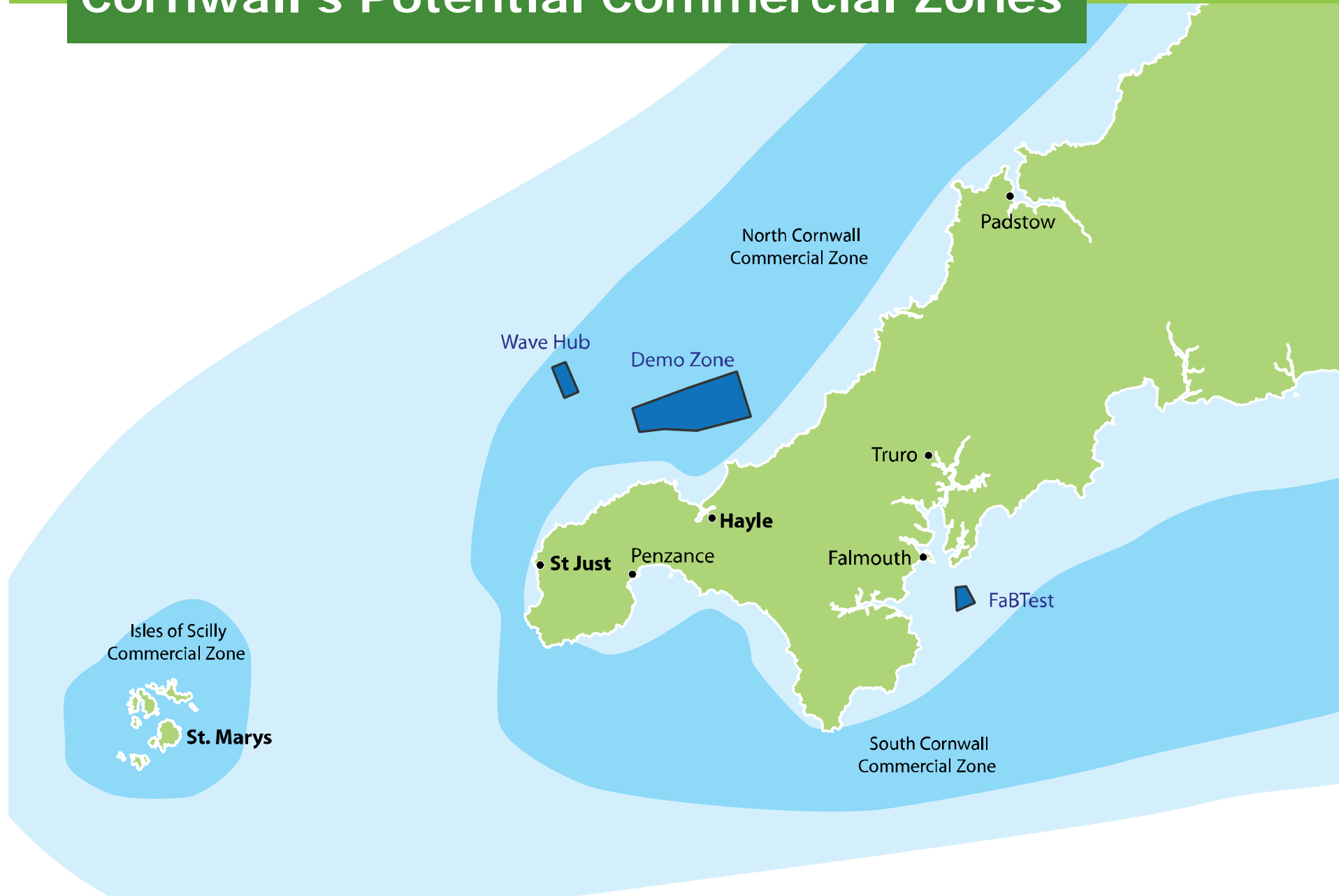


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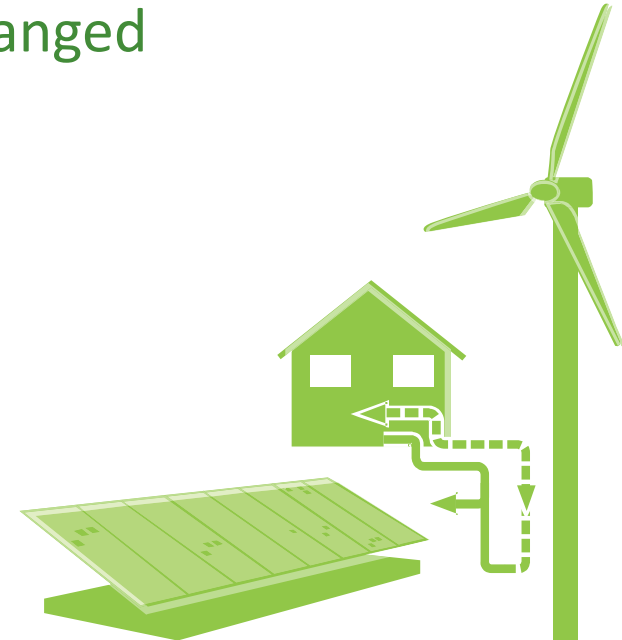


# Cornwall's Potential Commercial Zones

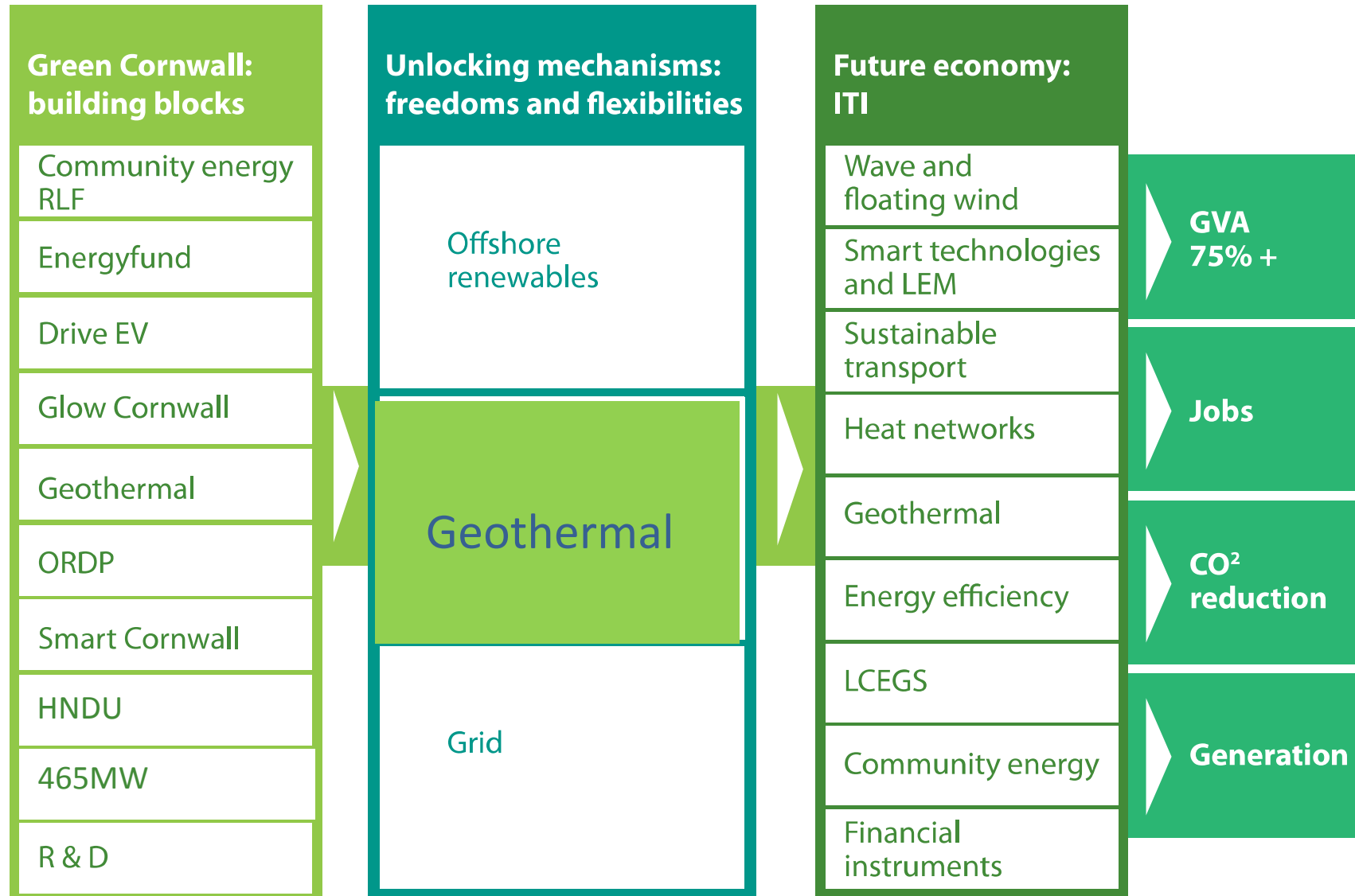


# Actions moving forward

- Marine management organisation and Crown Estates – MOU proposal
- Deployment zones focus
- Revisit location of demonstration zone
- Recognition that technologies have changed
- Economic importance



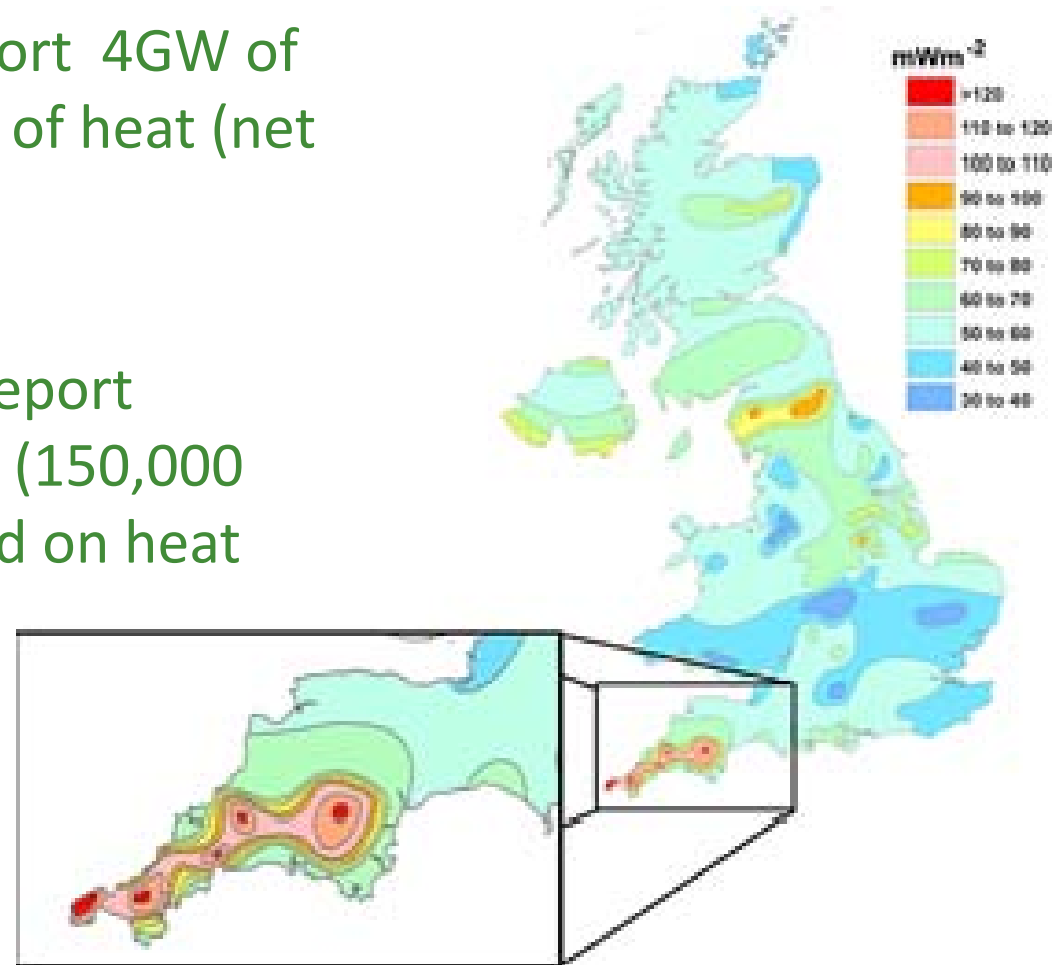
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# Potential

- **2012, REA (SKM)** report 4GW of electricity and 13GW of heat (net exporters of power)
- **2013 DECC (Atkins)** report 100MW of electricity (150,000 Cornish homes) based on heat load demand



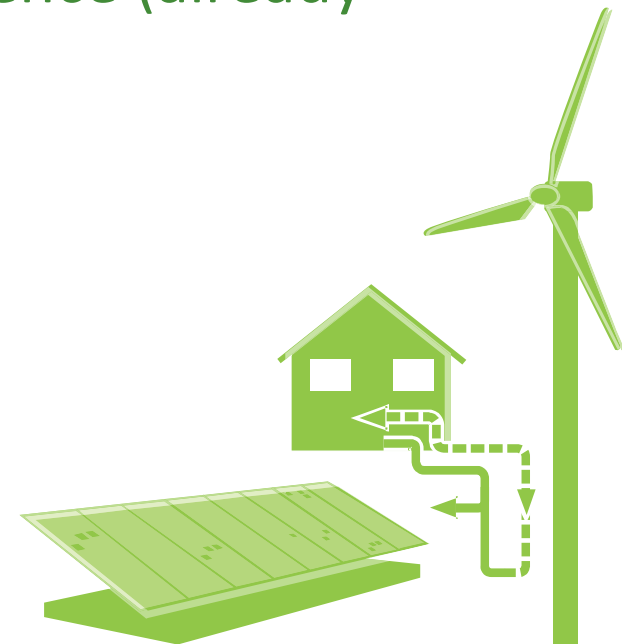
# Opportunities

- c. 20% - 100% Cornwall's emissions
- Small footprint on the landscape
- Power to 150,000 Cornish homes or exporters
- Base load power
- Affordable warmth
- 2 consented sites

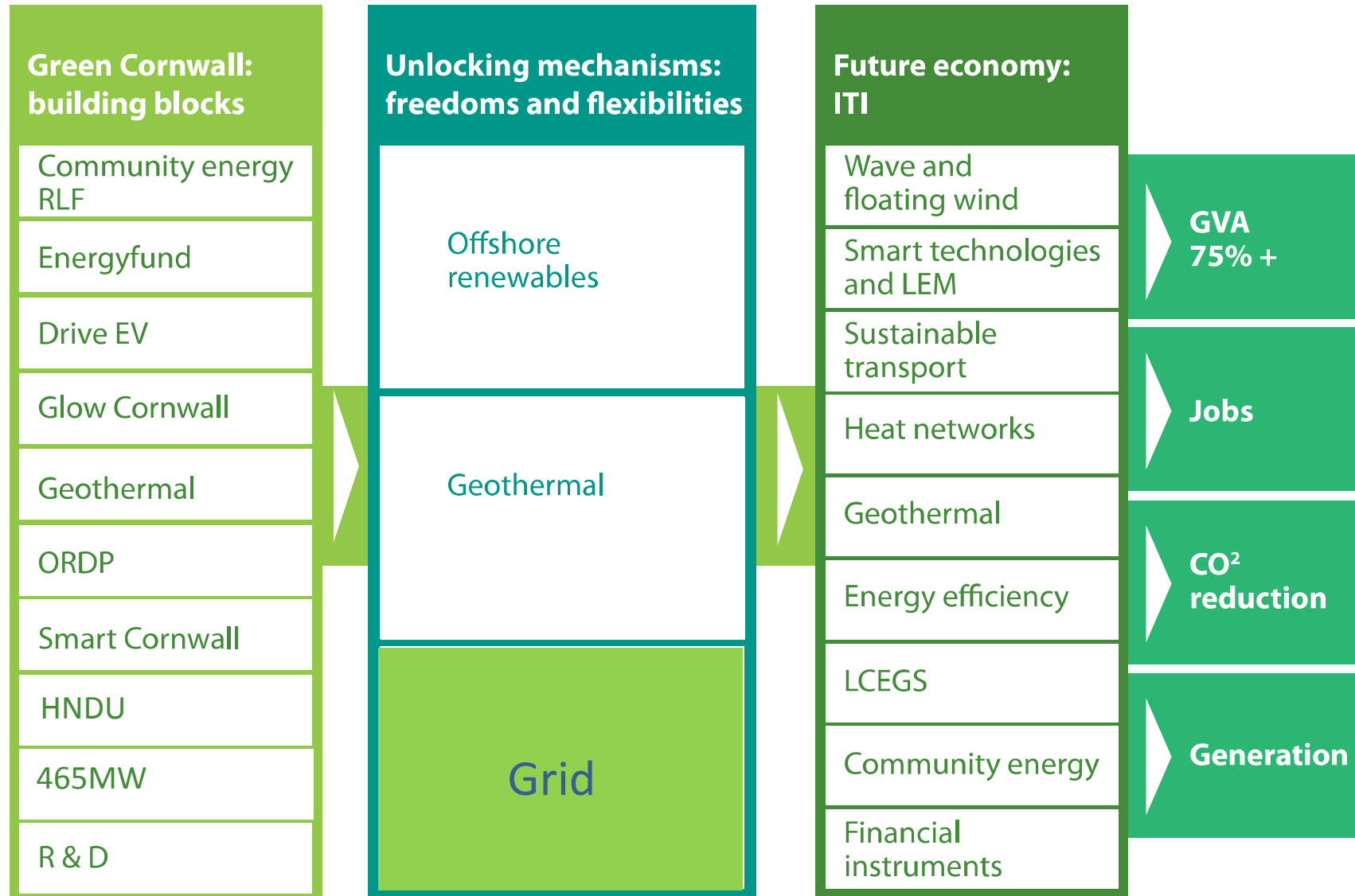


# Actions moving forward

- Deep Geothermal Local Growth Working Group
- Investor interest
- Local Authority Geothermal Conference (already convened)
- Heat only project in a school
- Call for Proposal early 2015



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# Grid

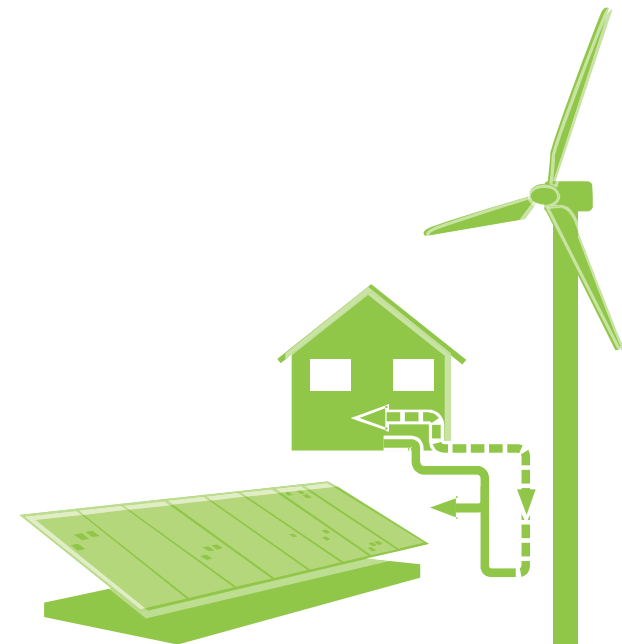
- Growth deal working group convened
- OfGem, DECC, WPD, National Grid, CC and LEP
- Positive first meeting
- Steps to be more strategic and aligned in investment approaches
- Investigate economic patterns of use
- Feed into National Grid trial re statement of works process



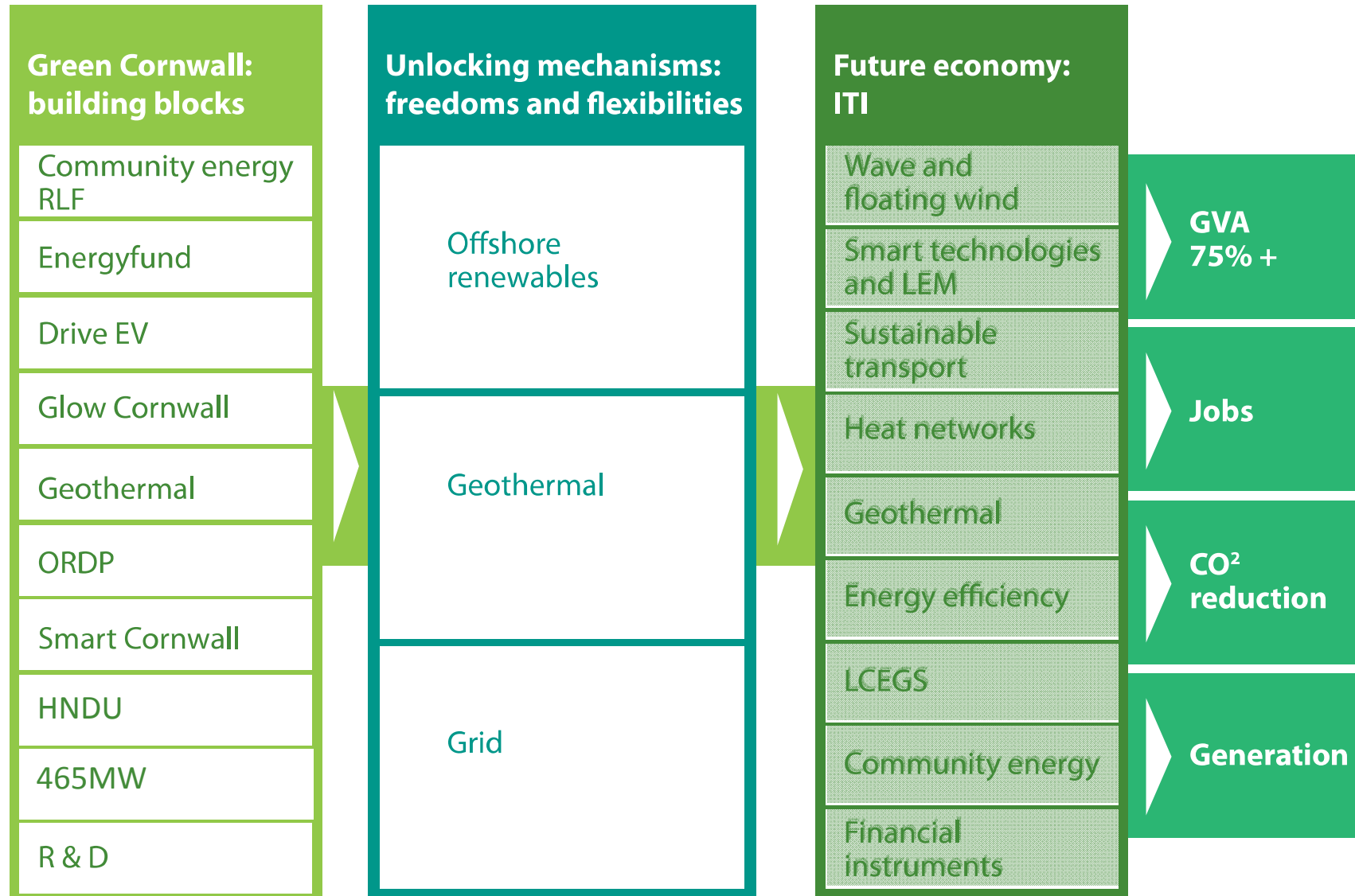


# Other key projects

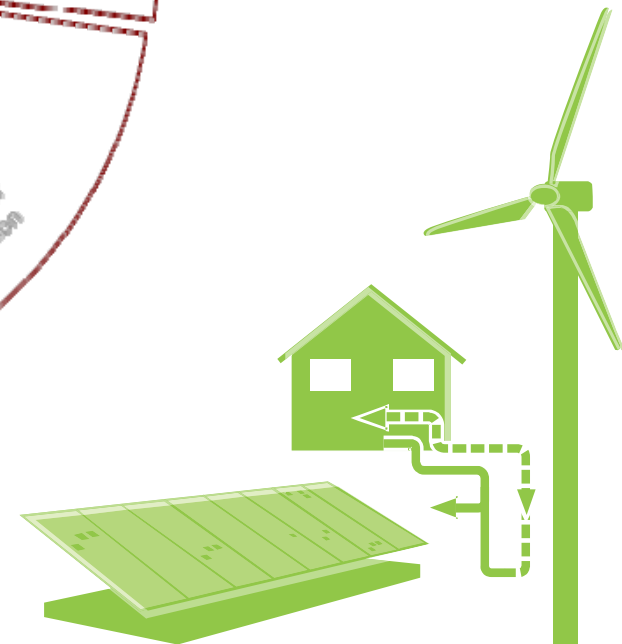
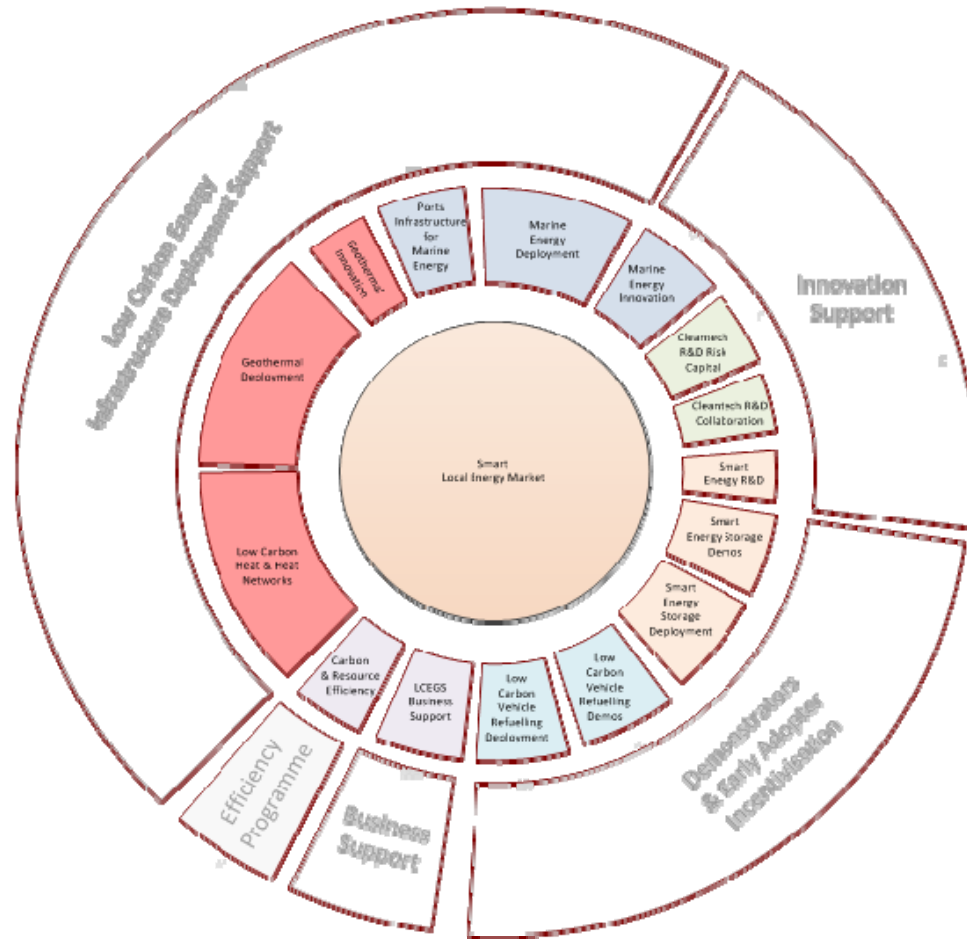
- Glow Cornwall
- Drive EV
- Cornwall Council renewables programme
- Revolving loan fund
- Cornwall Together
- Energyshare collaboration
- Smart Cornwall



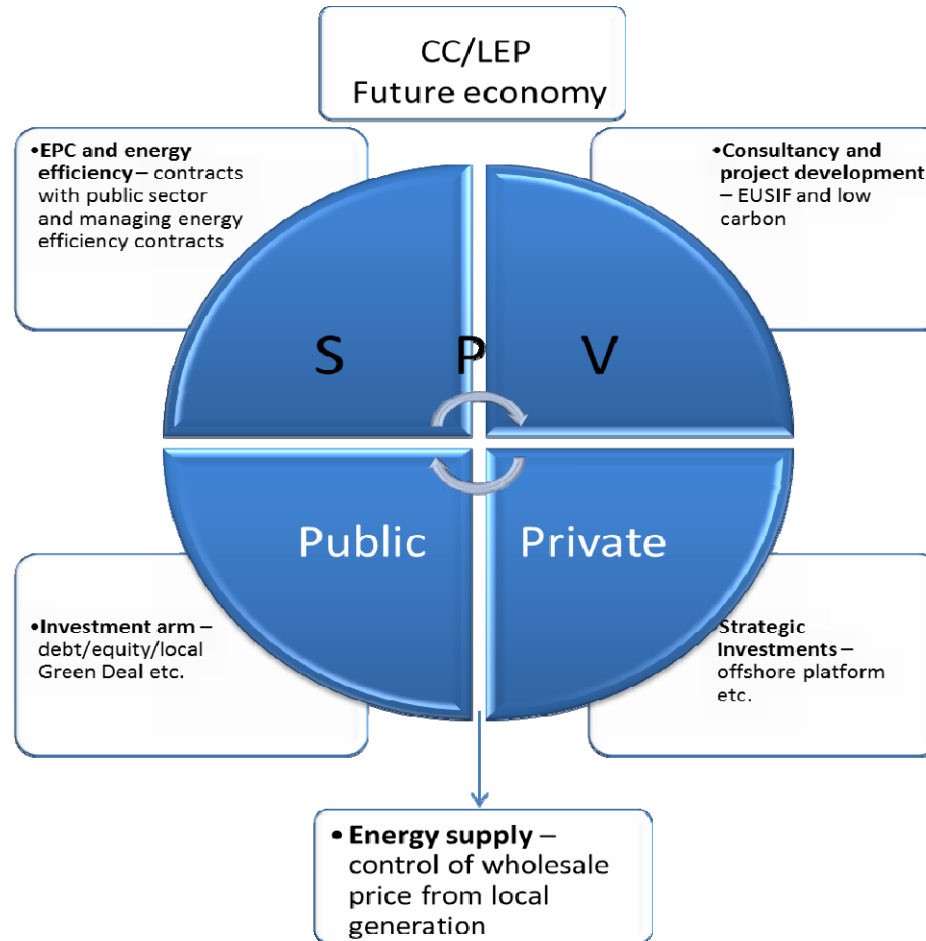
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# EUSIF – developing calls



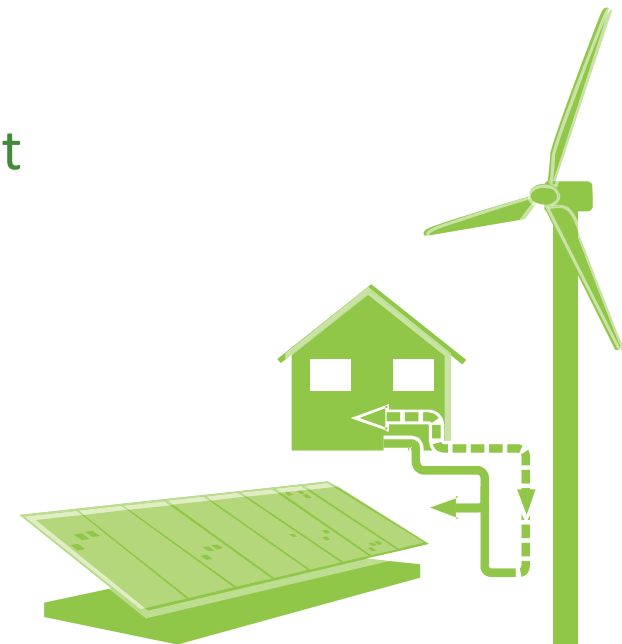
# Delivery – possible structure



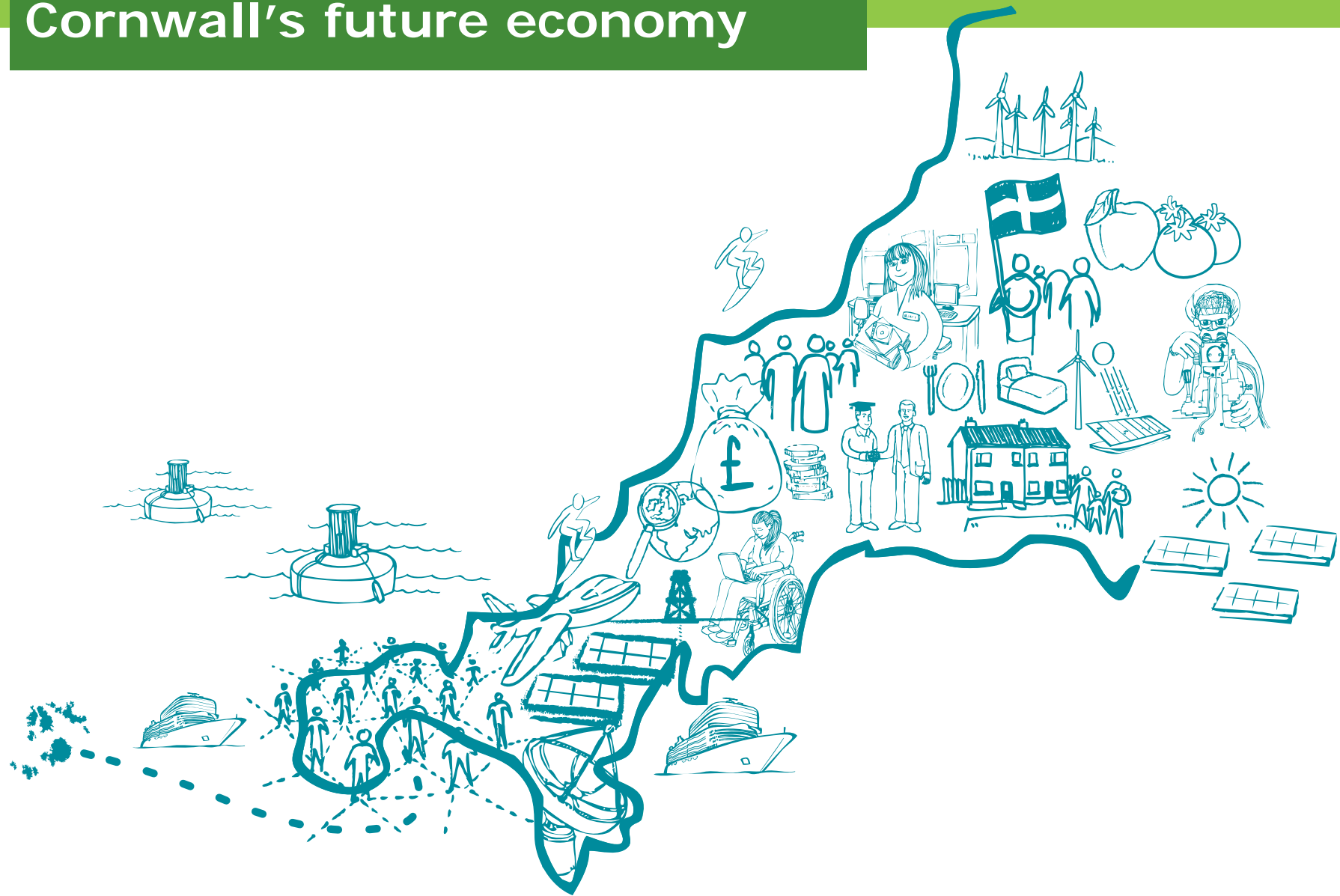


# Future

- Future economy focus – EU funding
- Freedoms and flexibilities
- Outward looking
- Economy focussed
- Transformational – localisation of benefit
- ESCO



# Cornwall's future economy





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[www.cornwall.gov.uk/green](http://www.cornwall.gov.uk/green)

