



AGENDA (15 minute sprint)

- Biosphere Foundation introduction
- Natural capital economics
- 3 Strategic programmes
- Opportunities across Swindon & Wiltshire

UNESCO Biosphere Network

- United Nation designation
- 735 UNESCO Biospheres in 129 countries
- Cover 5% of the earth's surface
- Home for ¼ bn people

UNESCO Biosphere Mission:

"Promoting innovative approaches to economic development that are socially and culturally appropriate and environmentally sustainable."

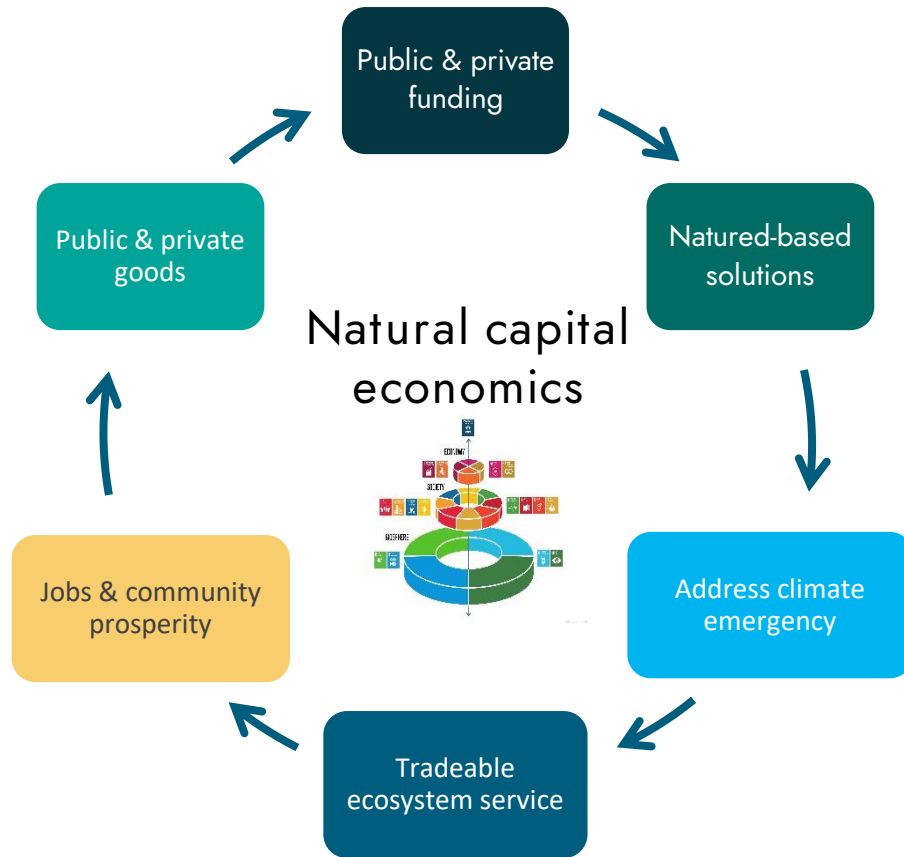


Biosphere Foundation CIC



1. 100% non-profit trading arm of North Devon UNESCO Biosphere (South West)
2. National/international focus
3. Operate like a tech start-up
4. Focus on *scaling natural capital economics*

Natural Capital Economics



+



SIEMENS

8 Natural Capital Economic Barriers

1. Lack of project aggregation to investor scale
2. Lack of route to market for landowners
3. Lack of market transparency for buyers
4. Lack first-mover incentives
5. High transaction costs
6. Inconsistent outcomes
7. Lack of technology-empowered 'MRV'
8. Lack of scalable, integrated infrastructure

Biosphere Foundation Strategy

1.
FUND



Natural Capital
Impact Fund

2.
PLACE



Natural Capital
Marketplace

3.
MEASURE



Smart
Biosphere



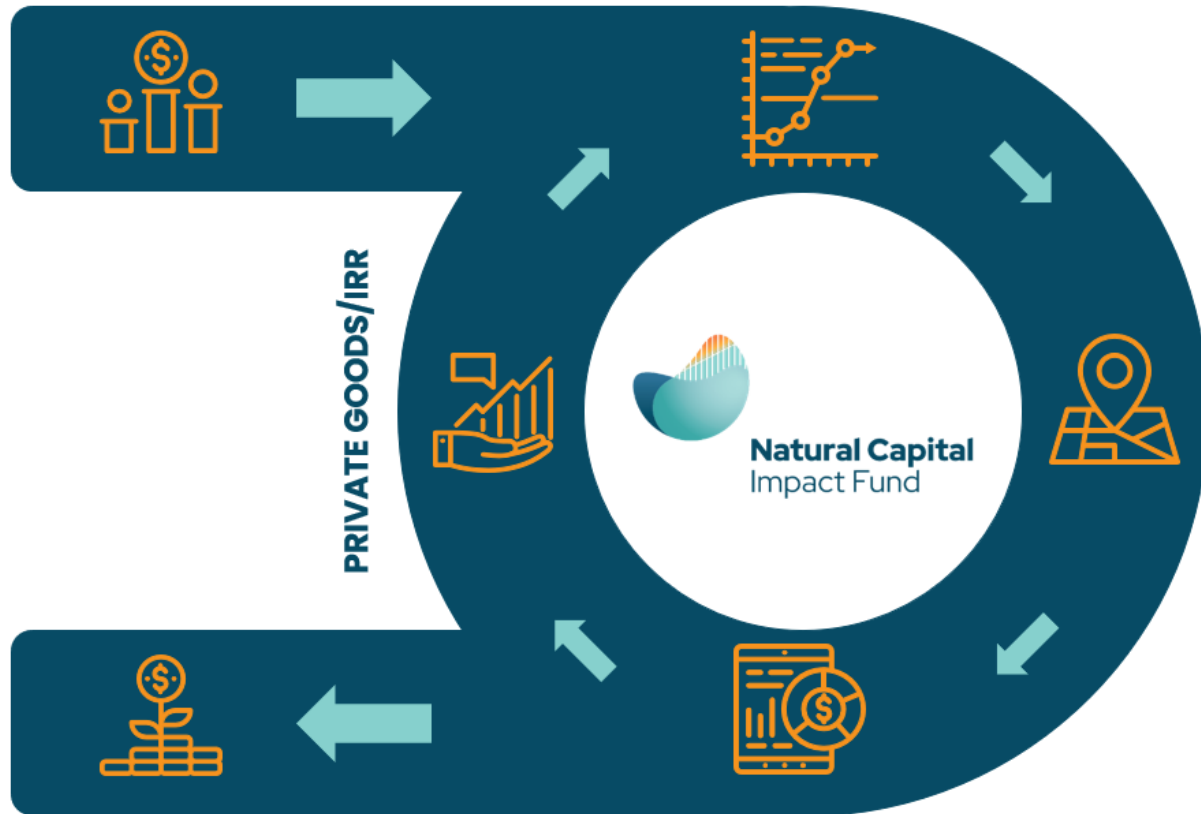
HM Government



1. Natural Capital Impact Fund

BLENDED INVESTMENT

£50M IMPACT FUND



PUBLIC GOODS

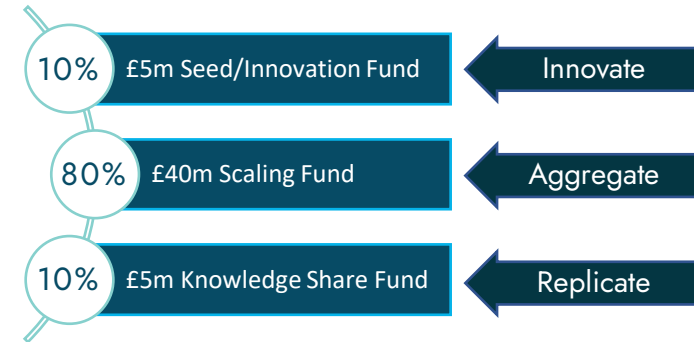
RESULTANT NATURAL CAPITAL ASSETS SOLD

IRR Target	ESG Outcomes	Term
Modest	Significant (MRV)	Patient capital

Themes

- FORESTS
- OCEANS
- LAND
- HABITAT
- CLIMATE
- CATCHMENTS

Lifecycle stage

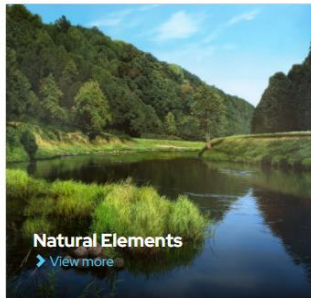
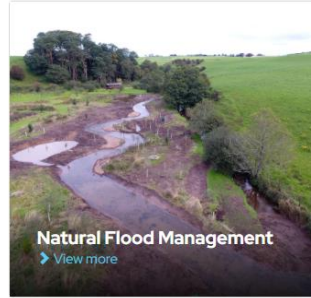


Status

- Pre-launch funding secured from HM Government
- £1m Business Case with HotSWLEP
- Siemens & Amazon
- Launch target Q4 2022

Buy natural capital products & services

Pick a category to starting browsing or find out more about our strict standards, which ensure you always have 100% provenance and certification of the assets and ecosystem services you purchase.



Featured Products



Popular product!
Devon Woodland Carbon PIUs
Carbon (UK Woodland Carbon Code)
£25.00 per Tonne

[View product](#)



Popular product!
Biodiversity Net Gain Compensation Credits - North Devon District
Biodiversity (Biodiversity Metric 3.0)
£7,500.00 per Net gain credit

[View product](#)

Frequently Asked Questions

When are these assets sourced from?

2. Natural Capital Marketplace

- Built on 2 years funding from the Environment Agency
- Partnership with Siemens (3 years & £0.5m+)
- Following funding from South West Water & UK Government (CRF = £1.4m)
- Launched across Devon
- Devon County Council purchased £65,000 carbon offsets



8 key features

1. Project workflows

2. Managed funding and revenue streams

3. Personalisation around landowner's

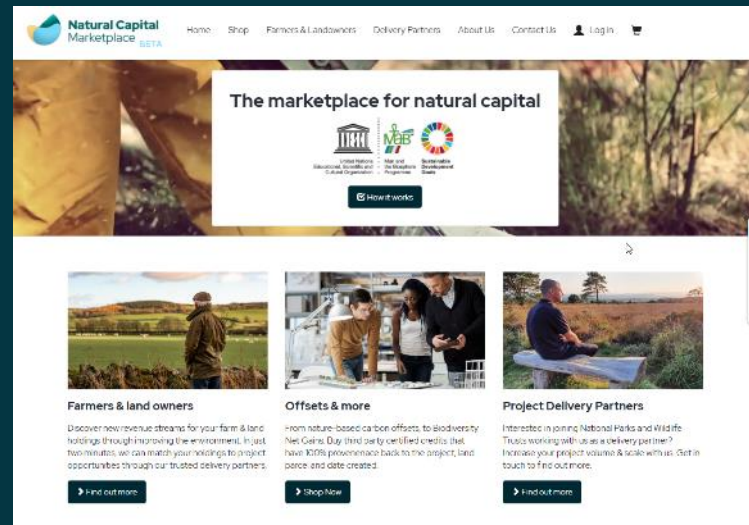
4. Dynamic contracting

5. Outcome management tools (projection, delivery and monitoring)

6. Integrated 3rd party, science-based carbon registration

7. Transparent 'Habitat bank' / asset register

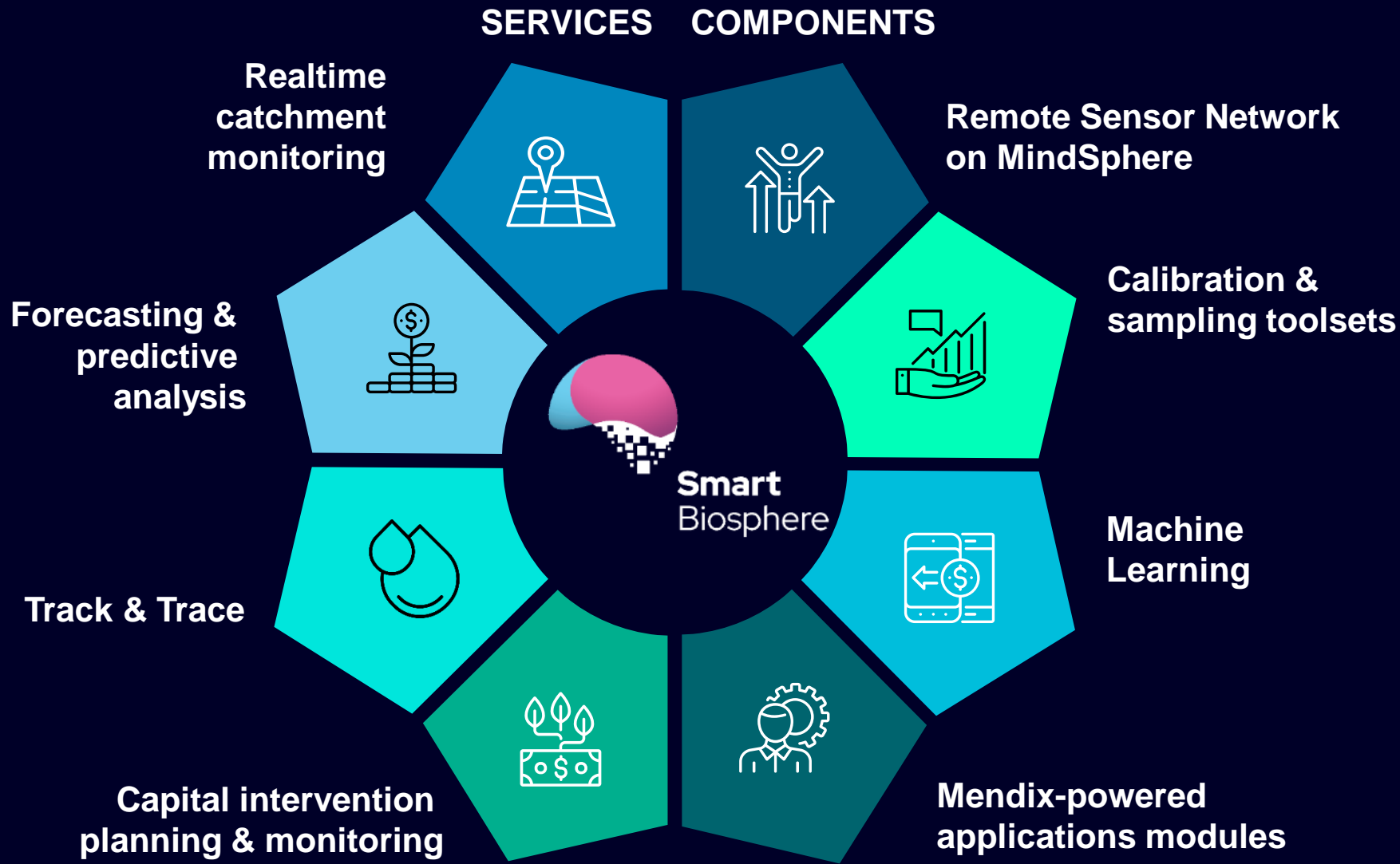
8. Secure, ecommerce credit trading with certification

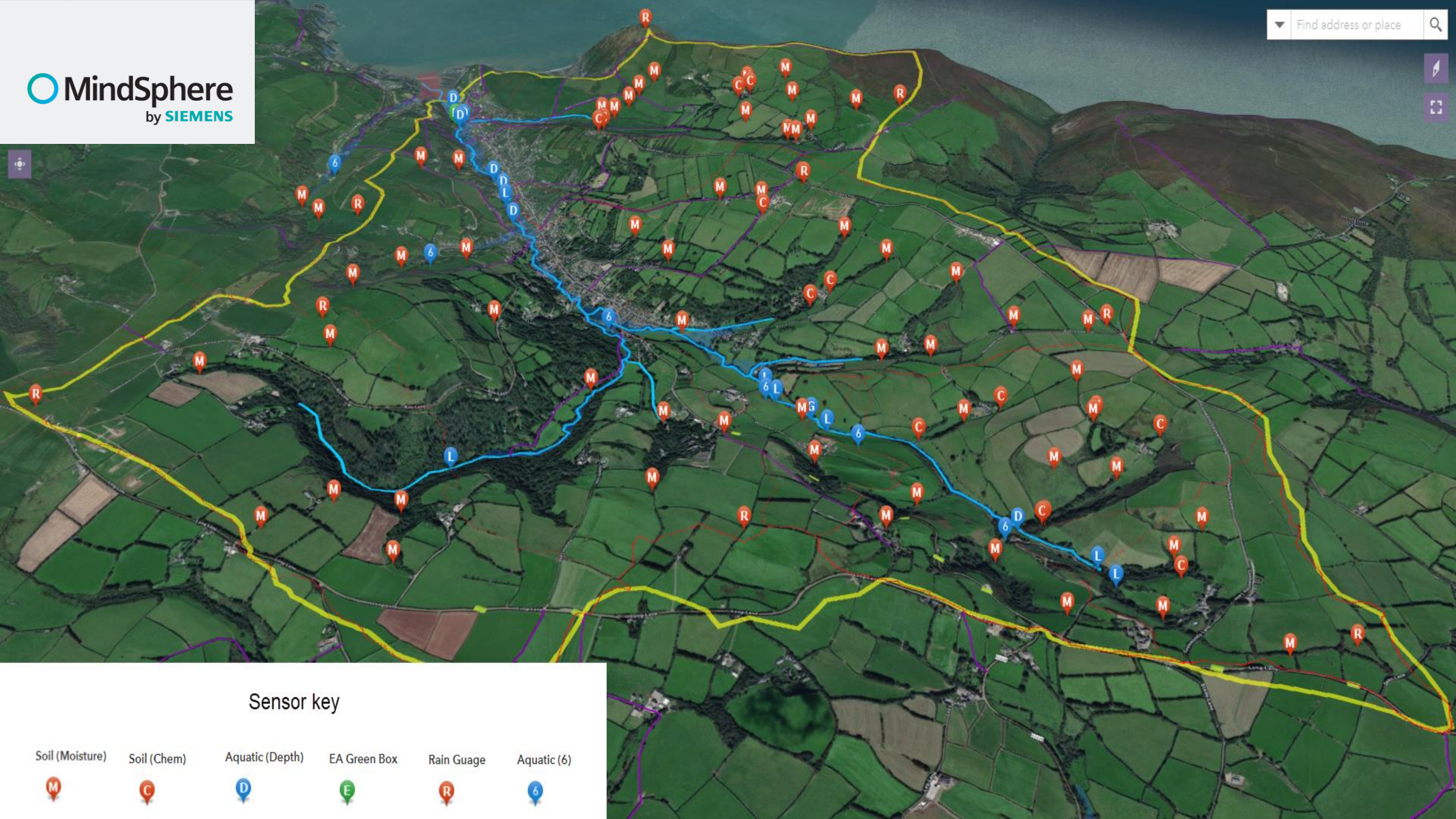


NCM: Local Authority partnership rollout



3. Smart Biosphere





Sensor key

- | | | | | | |
|--|---|---|---|---|---|
| Soil (Moisture) | Soil (Chem) | Aquatic (Depth) | EA Green Box | Rain Guage | Aquatic (6) |
|  |  |  |  |  |  |

Smart Biosphere Application modules & Customers

Application Module	Realtime monitoring	Forecasting predictive analysis	Geographic track & trace	Scenario modelling	Intervention baseline & monitor
Coliform/e-coli	✓	✓	✓	✓	✓
Water nutrient load	✓	✓	✓	✓	✓
Eutrophication	✓	✓	✓	✓	✓
Water pollutants	✓	✓	✓	✓	✓
Water volume/flow	✓	✓	✓	✓	✓
Soil chemistry	✓	✓	✓		
Bathing quality	✓	✓			

Customers

Water Companies	Environment Agency	Defra	Farmers & Landowners	Rivers Trusts	Local Nature Partnerships	Natural Capital Investors	Supermarkets & supply chain	The public
-----------------	--------------------	-------	----------------------	---------------	---------------------------	---------------------------	-----------------------------	------------

The SWLEP Opportunity

Market-ready nature-based infrastructure for Swindon and Wiltshire to unlock the sustainable economic potential of natural capital

- Validated by UK Government funding/LEP Due Diligence
- Strategic partnership with Siemens AG
- Creates circular natural capital economy
- Proven infrastructure = accelerated market & impacts

The ask: work with us in partnership on *launch NCM in SWLEP and Smart Biosphere*

Discussion



biosphere
foundation