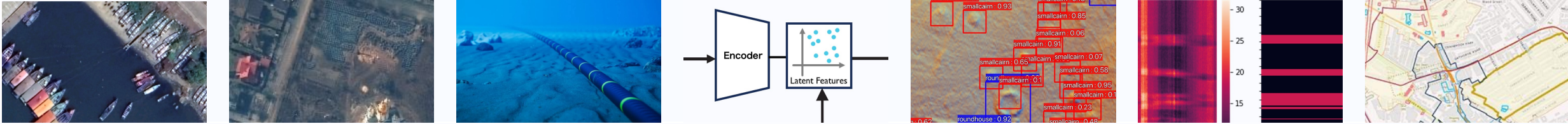


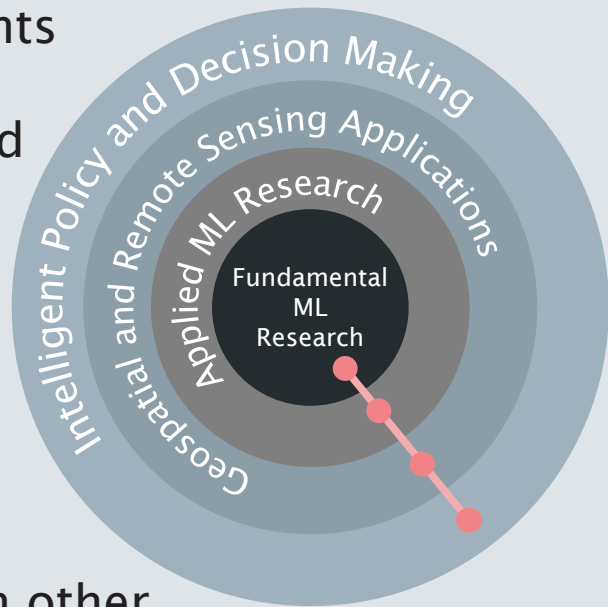
Our Vision for a CDT in Geospatial AI

Geospatial data is used everywhere, but automation is needed



A training programme giving context

We train students to understand motivations and constraints that apply to use cases beyond their own research and to communicate technically with other geospatial data users and AI experts across four themes



Demand and national need

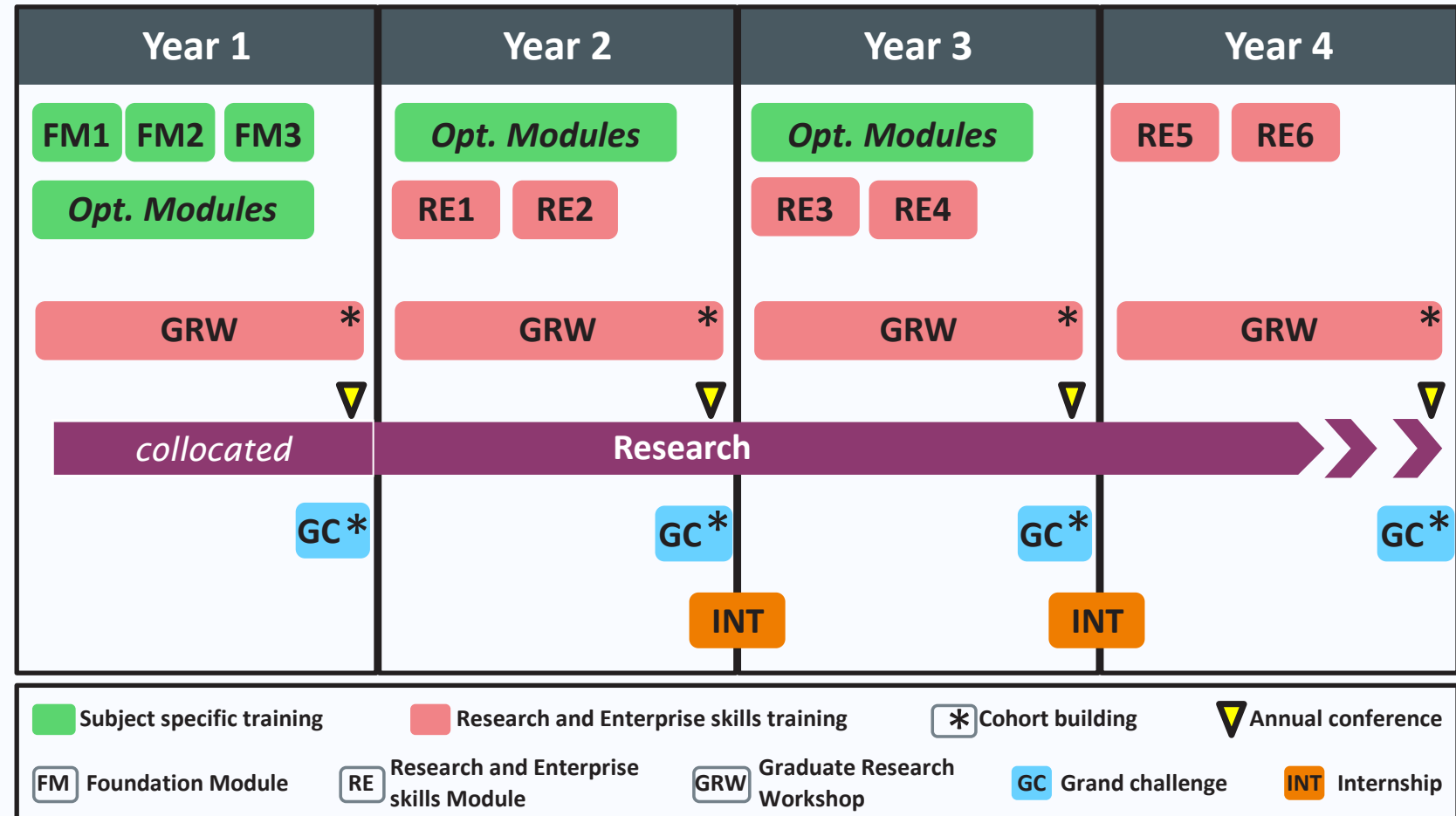
- The geospatial market recognised area of growth (>12% pa) worth >£11B/year to the UK
- Widely recognised that AI will be an underpinning technology for future geospatial
- Our partners and the National Strategies in Geospatial, AI, Data, and Resilience recognise this, but further highlight that the **lack of skilled people** is an inhibitor to growth

Why UoS?

- An unrivalled team of international academic experts that collectively cover all aspects of the CDT themes
- **Co-location with strategic partners (OS, NOC)** who are big generators and consumers of geospatial data

Training Programme

- A joined-up programme covering AI in the context of geospatial data and intelligent policy making
- Embeds multi-disciplinary skills across the themes
- Recognises that individuals will not be experts in all themes but need to work with others across them
- Focused on the needs of students to perform their research in the context of the bigger picture



Management



Engagement

Industry

🎯 40 partners and £8m cash/in-kind support from a range of institutions and sectors

👥 We have secured agreement in-principle from 15 partners offering support worth ~£2.1m (including 11 studentships).

Partners / support	Number	Cash/in-kind value
Large corporate/SME/NPO/Government/Academic Studentships (50% UK) with min. 20 day co-supervision	3/3/4/4/1	-
Partner hosted internships (2 to 6 months)	10	~£80k
Access to facilities and datasets	4	~£1m (commercial rates)
Commitment to advisory/steering committee (4days/year)	12	~£384k
Provide guest lecture/seminar	8	£8k
Sponsoring cohort wide activities (e.g., grand challenges)	2	£10k

🏢 *Strategic partners:* OS, NOC, ESA, Cefas & other UoS corporate partners

Potential Supervisors & Leads

🎯 50 diverse UoS supervisors to work alongside co-supervisors from partner organisations

👥 41 potential supervisors have agreed

Active on grants worth	PhD/completed	FEPS/FELS/FSS /FAH/FM	L4&5/L6 /L7	Gender
~£120m	238/141	12/15/12/2/0	9/10/22	9F, 32M

Next steps

January - Internal workshop to: broaden the supervisor pool; identify theme, training and admissions leads; develop the Foundation Modules; and, identify further partners.

May - External workshop to expand partner network and co-develop training programme, grand challenges, etc