



SPACE | SURVEYORS | STUDENTS

Maynooth University, TU Dublin, Esri Ireland, the Society of Chartered Surveyors Ireland & Ordnance Survey Ireland are offering free STEM training to Junior Cert teachers/students to demonstrate how space data, particularly free Copernicus satellite imagery, can be used to help address the UN Sustainable Development Goals.

5*S is a national SFI /ESERO funded STEM outreach project that can help you take the answers to many space questions into the classroom! Now more than ever we need to understand how to address climate change justly.

The project will partner Chartered Surveyors with schools to demonstrate the uses of satellite earth observation and GIS to explore environmental issues and their long term effects. Geographers, scientists, chartered surveyors, teacher educators and other expert partners in this project are working to create teacher professional development materials and opportunities for post-primary schools.

Teachers with Junior Cycle classes in Science or Geography and with an interest in teaching how the UN Sustainable Development goals can be understood and addressed in practical ways through these subjects should apply.

A two hour introductory online workshop for interested teachers is scheduled for **August 2020** to help demonstrate applications of earth observation and GIS data. Full online classroom demos and/or school visits can then be arranged starting **Semester One 2020**.

- ◇ Aligned with JC learning outcomes.
- ◇ Geography : Exploring and Interact with Physical World
- ◇ Science : Nature of Science and Earth and Space with crossovers in Physical and Biological Worlds
- ◇ Register at 5S.surveyors@mu.ie

SCIENCE

L.O	N&S	E&S	CW	PW	BW
1	✓	✓		✓	
2	✓		✓	✓	
3	✓	✓		✓	
4	✓	✓	✓	✓	
5	✓	✓			✓
6	✓	✓			✓
7	✓	✓			✓
8	✓	✓		✓	✓
9	✓		✓		
10	✓		✓		✓

GEOGRAPHY

L.O	Exploring Phys World	Interact Phys World	People, Place & Change
1	✓	✓	
2	✓	✓	
3	✓	✓	
4	✓	✓	✓
5	✓		
6	✓	✓	✓
7	✓	✓	
8	✓	✓	
9	✓	✓	
10	✓		

Utilise Copernicus Satellite data and GIS for 15 learning outcomes, exploring the Nature of Science (8), Earth and Space (2), Chemical World (1), and The Physical World (4).

