



RSO Discipline Update: Environmental Science

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Introduction

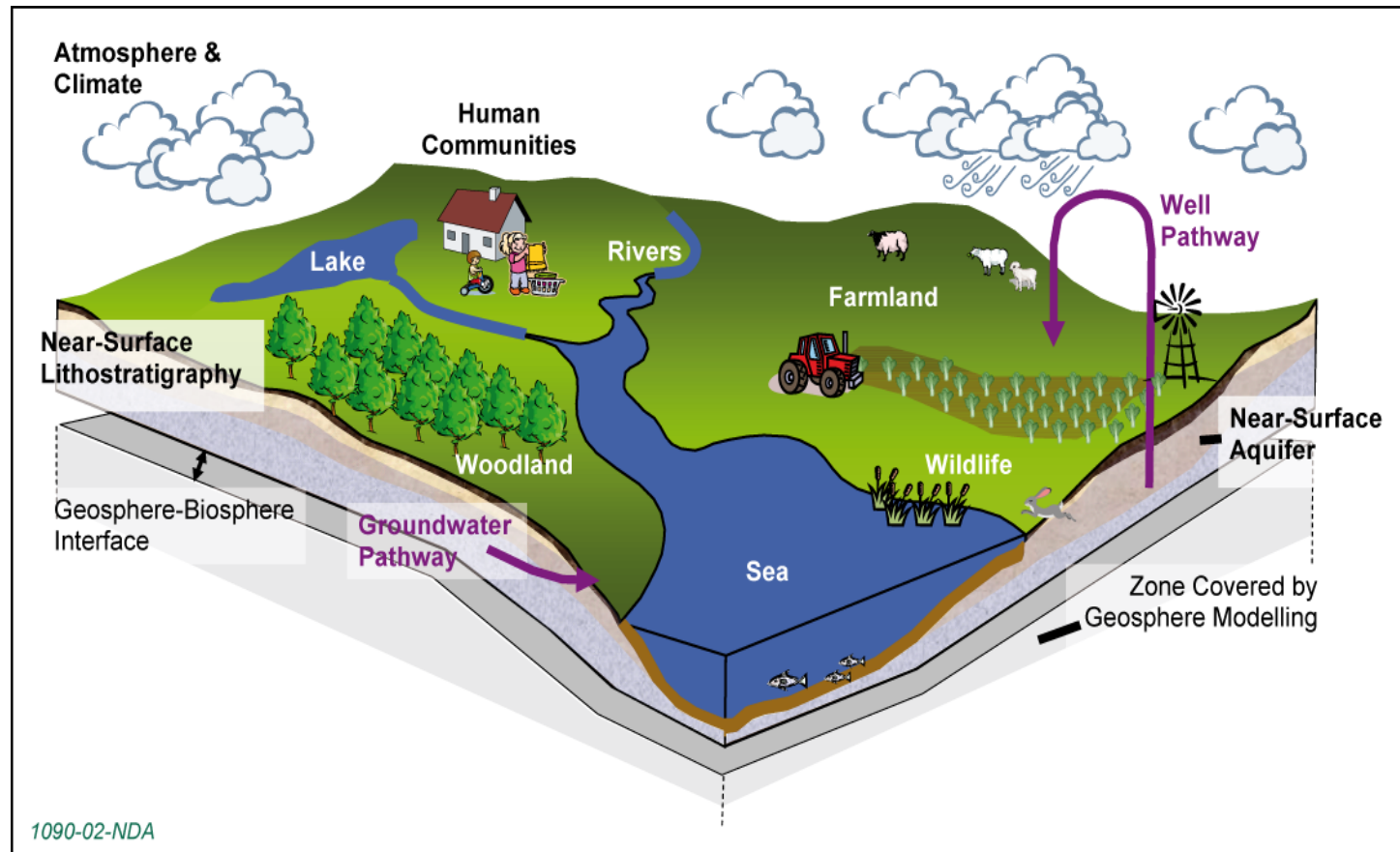


- Professor of Environmental Radioactivity at University of Stirling
- Over 25 years' experience studying the behaviour, effects and fate of radionuclides in the environment and have previously worked for the Environment Agency in England.
- Appointed as Environmental Science Discipline Lead August 2021



- Radioecology and environmental pollution background
- Joined RWM as Biosphere research manager/ Environmental Science RSO SME February 2021

Background



Updates

Participation in BIOPROTA with other waste management organisations on topics like C-14 pathways to, and impacts on, the biosphere

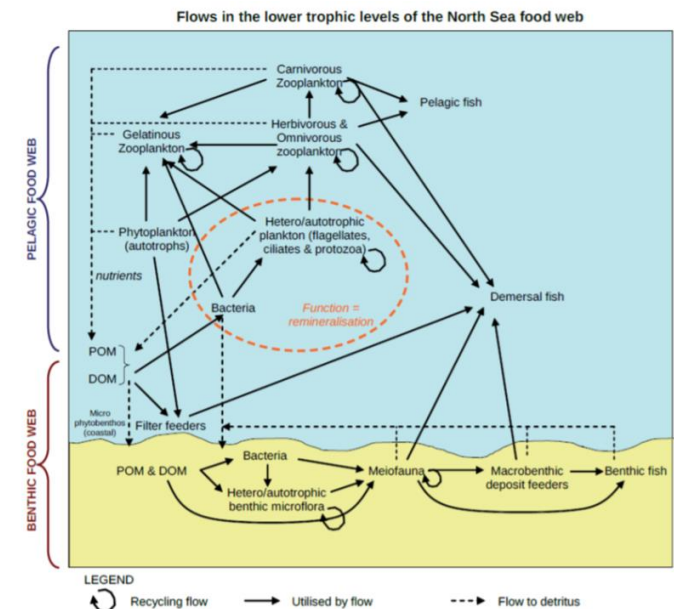
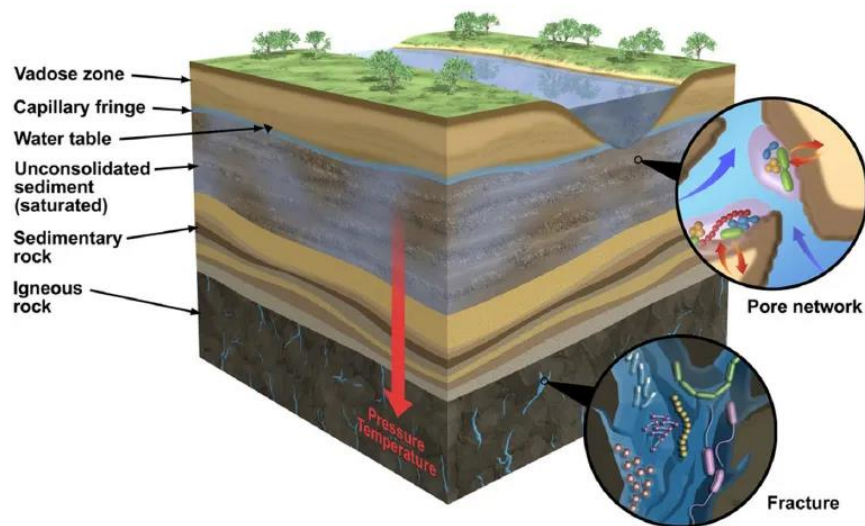
RWM were involved in IAEA programmes such as EMRAS I, II and MODARIA I, II programmes all related to **Modelling and Data for Radiological Impact Assessments**

Planning participation in the next programme: **Methods for Radiological and Environmental Impact Assessment (MEREIA)**

- suggestions for the new programme – thoughts?

Forward vision

- Subsurface biota
- Marine ecosystem and foodchain modelling
- Effects of non-radioactive pollutants on non-human biota
- Multiple stressor effects and ecosystem function



Upcoming opportunities

2021 RSO bursary call projects

- Effects of non-radiological stressors on non-human biota
- Coastal change