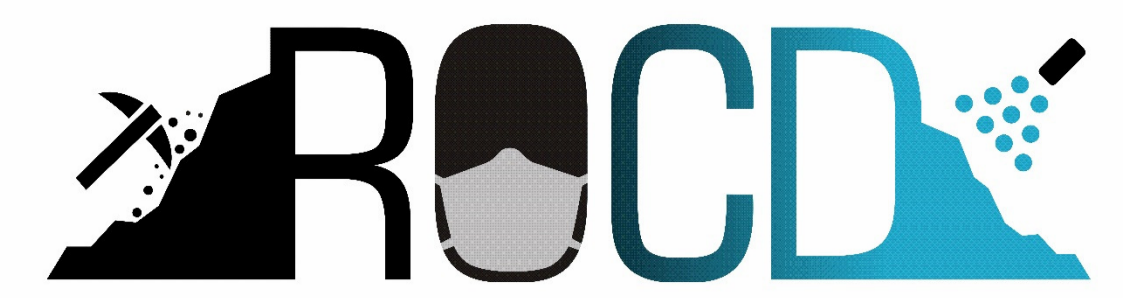
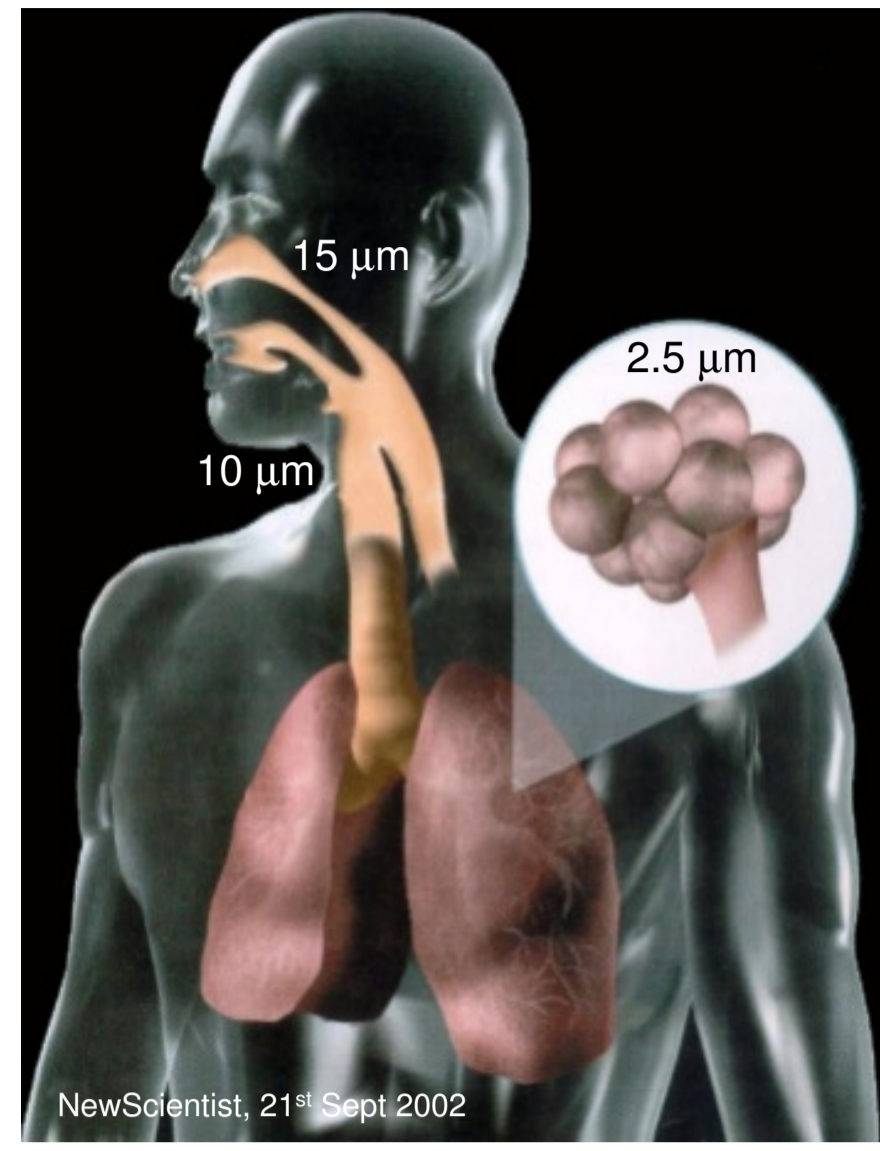


PROTECTING COAL WORKERS FROM MINE DUST



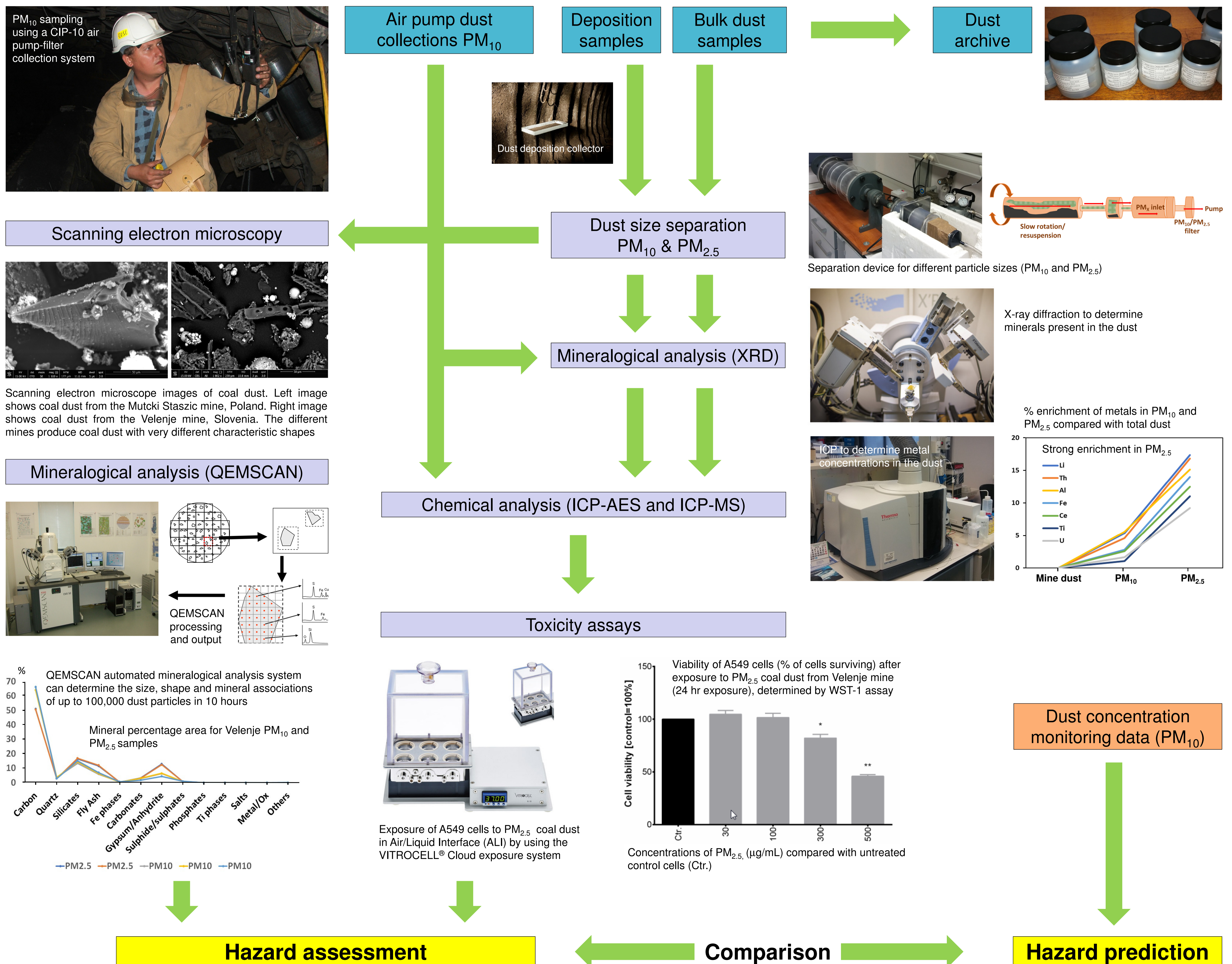
The ROCD project (**R**educing Risks from **O**ccupational Exposure to **C**oal **D**ust) is an EU-funded contract (2017 to 2020) to address current concerns about the health impacts of dust in coal mines.

- Despite international efforts, coal mine dust continues to impact the health of thousands of miners.
- Interdisciplinary project involving a world-leading consortium of 10 university and industry partners from UK, Poland, Slovenia, Germany and Spain.
- Project will develop modern assessment methods and devices to control dusts and protect workers.
- First detailed study of PM_{2.5} (nominally dust with a diameter <2.5 microns), which is increasingly implicated in human, mainly cardiovascular, diseases.
- Case studies at hard coal mines in Poland and a lignite mine in Slovenia.
- Global dissemination of developed dust characterisation methods, new devices for monitoring and dust suppression and training tools for the proper use of dust masks to reduce incidences of coal mining-related disease.



<http://emps.exeter.ac.uk/csm/rocd>

Workflow for coal dust characterisation and health hazards prediction



Results will be linked to ROCD research on the efficiency and recommended use of dust masks

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