

Summary Notes MERGE annual meeting 7-8/12 2021

Emerging research topics that will be given more priority in MERGE.

- **Clouds**
- **Fires & trop/stratosphere**
- **Climate change and air quality, air pollution**
- **Aerosols and ice nucleation** with close collaboration with model development.
- **Analysis** on large datasets
- Uncertainties **BVOC - SOA**
- **Hybrid modelling**
- **Data assimilation.**
- **Isotope component** of the hydrological cycle

Emerging workshop ideas that will be given more priority in MERGE.

MERGE money can be applied to arrange a workshop to establish collaboration, when a group is formed it can apply for a MERGE short project to test ideas, this could then lead to a large-scale project and application.

Workshops on

- links between SITES, ICOS, ACTRIS, LPJ-GUESS
- Workshop on exchanging ideas and discuss pros and cons of different models. – continuation of the SRA SDG workshop held early March 2022.
- How to share data within MERGE and to the outside world.
- Coupling - and more integration of models.
- BVOC

Possible Policy Brief that MERGE can provide resources for.

- uncertainties associated with models
- forest management and its influence on climate
- Incl. tools we have developed
- AQ
- Forest fires
- ACTRIS/ICOS - products they offer (might be done anyway)