Workshop in Data Science

Halden 2019

November 1-2, 2019

Why this workshop?
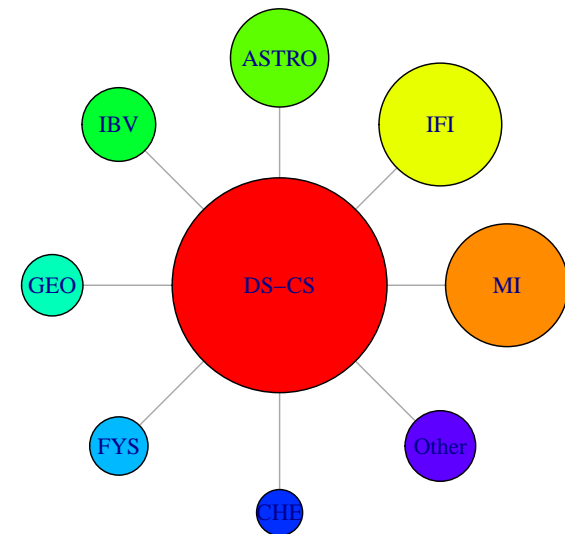
- UiO is creating a new center for Data Science and Computing
  - First effort in learning what others do inside UiO
- Previous workshops in collaboration with Chalmers
  - Spatio-temporal modelling in Smögen
- Connections/collaborations between UiO and Chalmers
  - Extend to collaboration on applications for external funding?
- We have got some money to spend!
  - Equinor sponsors 1 permanent staff, 1 post doc and some extra funding!

Center for Data Science and Computing

We propose to establish a center in Data Science and Computational Science at the Faculty of Mathematics and Natural Sciences. The aim is that the center becomes a leading environment in Europe both within research and education in these areas.

To achieve this mission, the aim of the center will be to:

1. Develop internationally leading research groups
2. Develop excellence in both application driven and methodological research.
3. Develop top international level educational programs and learning environments
4. Attract researchers and students of the highest quality.
5. Develop new initiatives in Data Science and Computational Science
6. Attract extensive external funding, both from private industry, public sector and research councils.
7. A vision of establishing a new center of excellence.

- Data Science:
  - Machine learning and statistics
  - Knowledge representation
- Computational Science:
- Scientific computing
  - Monte Carlo methods
  - High performance computing
  - Quantum computing