

<https://github.com/EDISONcommunity/EDSF/wiki/>
HPCS2019 Tutorial

Becoming a Data Scientist and Educating Data Scientists

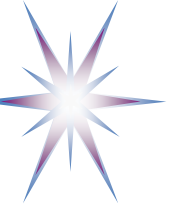


Yuri Demchenko, EDISON Project
University of Amsterdam
HPCS2019
16 July 2019, Dublin



mates





Workshop Agenda

Part 1 13:30 – 15:00

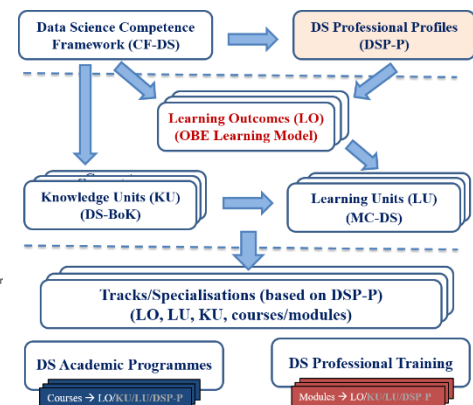
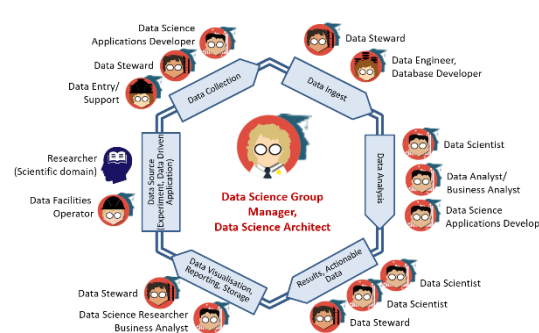
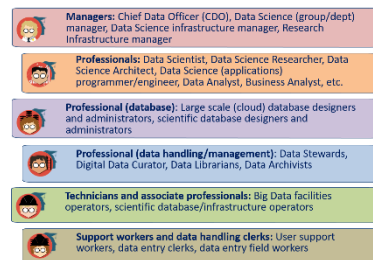
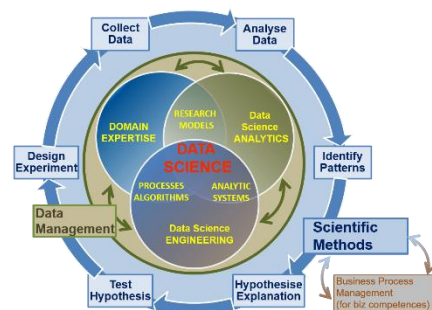
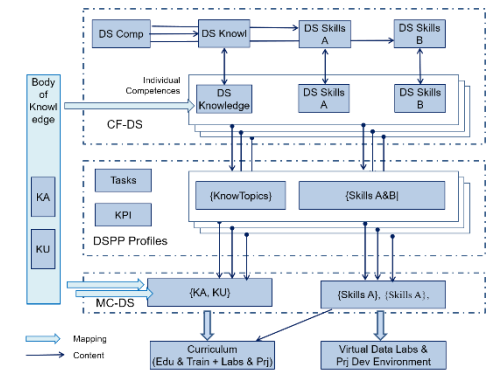
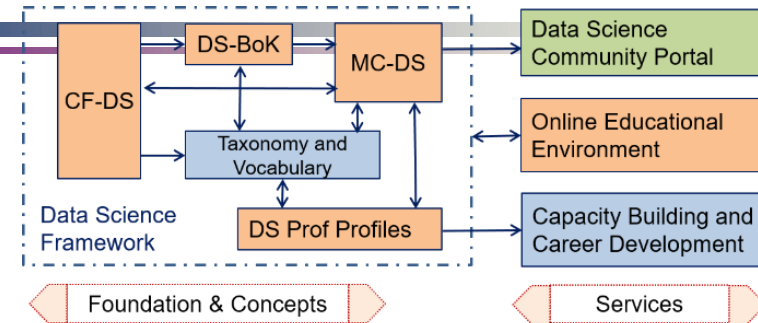
1. Introduction and bootstrapping (10 min)
 - EDISON Data Science Framework and EDISON Community Initiative
 - Workshop goals and attendees interests
2. Background information and how the EDSF has been done (20 min)
 - EU and International studies on data related competences and skills
 - EU standards, projects, initiatives, associations
3. EDISON Data Science Framework (EDSF) in details and walk through customised curriculum design (60 min)
 - EDSF components: Competence Framework (CF-DS), Body of Knowledge (DS-BoK), Model Curriculum (MC-DS), Data Science Professional Profiles (DSPP)
 - Walk through customised curriculum design: from target professional groups or competences to curriculum suggestions

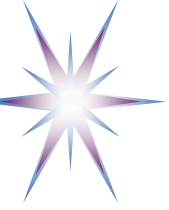
Part 2 15:00-15:30

1. Data Scientist and Data Steward vacancy and CV analysis and matching from indeed.com – Interactive session and practice (in groups)
 - Analysis of Data Science and Data Steward CVs and Job vacancies
 - Matching exercise
2. Assessment and discussion on Data Science soft skills: workplace and 21st Century
3. Closing: comments, questions

EDISON Products for Data Science Skills Management and Curriculum Design

- **EDISON Data Science Framework (EDSF)**
 - Release 3 components CF-DS, DS-BoK, MC-DS, DSPP
 - Compliant with EU standards on competences and professional occupations e-CFv3.0, ESCO
- **Skills development and career management for Core Data Experts and related data handling professions**
- **Academic programmes and professional training courses (self) assessment and design**
- **Individual competences benchmarking and Data Science team design**
- **Cooperation with International professional organisations IEEE, ACM, BHEF, APEC (AP Economic Cooperation)**





EDISON Initiative Online Presence

- EDSF github project - <https://github.com/EDISONcommunity/EDSF>
 - Component documents CF-DS, DS-BoK, MC-DS, DSPP
- EDISON Community work area and discussions - <https://github.com/EDISONcommunity/EDSF/wiki/EDSFhome>
- Mailing list - edison-net@list.uva.nl
- EDISON project website - old domain *edison-project.eu* expired: Legacy information to be moved to <http://edison-project.net/>