Swiss Data Science Center (SDSC)
Initiative for Data Science in Switzerland

Swiss Data Science Center (2017-2020 Strategic Initiative of EPF Domain)
- Single, nationwide, distributed center
- Accelerate the use of data science in Swiss academic community
- Proposal by EPFL IC and ETH Zürich CS departments, led by EPFL
- ~30M CHF in new funding (from ETH Board)
- ~30M CHF in institutional match

M.Sc. In Data Science
- Offered at EPFL and at ETH Zürich (distinct programs)

Academic Director: Ed Bugnion
Executive Director: Olivier Verscheure
Swiss Data Science Center (SDSC)

Research verticals
- Life and medical sciences
- Environmental sciences
- Digital humanities
- Social sciences
- Economics

Service centers
- Embedded support
  - SIB
  - Vital-IT
- Projects

Core data science services
- Deployment and operations
- IT platforms
  - SWITCH
  - eSCT, ...
- Universities and Institutes
  - EPFL
  - ETH Zurich
  - Commercial clouds

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IT platforms
Scala Center
Mission: Foster and integrate open source development around Scala
• MOOCs on functional, parallel and reactive programming
• Organize onsite projects and seminars that lead to minidegrees
• Custom projects sponsored by industry; made available as open source.
• Help in incubating startups and in attracting companies to set up labs in Switzerland

Academic Director: Martin Odersky
Executive Director: Heather Miller
Upcoming MOOCs Specialization

**COMING SOON...**
A new Scala mini-degree offered on Coursera

**Composed of:**
- 4 courses, 2 NEW courses!
- one capstone project
  (A significant 4-5 week long final programming project)

**THE COURSES:**
1. Functional Programming Principles in Scala
   Taught by: Martin Odersky
2. Functional Program Design in Scala
   Taught by: Martin Odersky
3. Parallel Programming
   Taught by: Viktor Kuncak, Aleksandar Prolopec
4. Big Data Analysis in Scala and Spark
   Taught by: Heather Miller