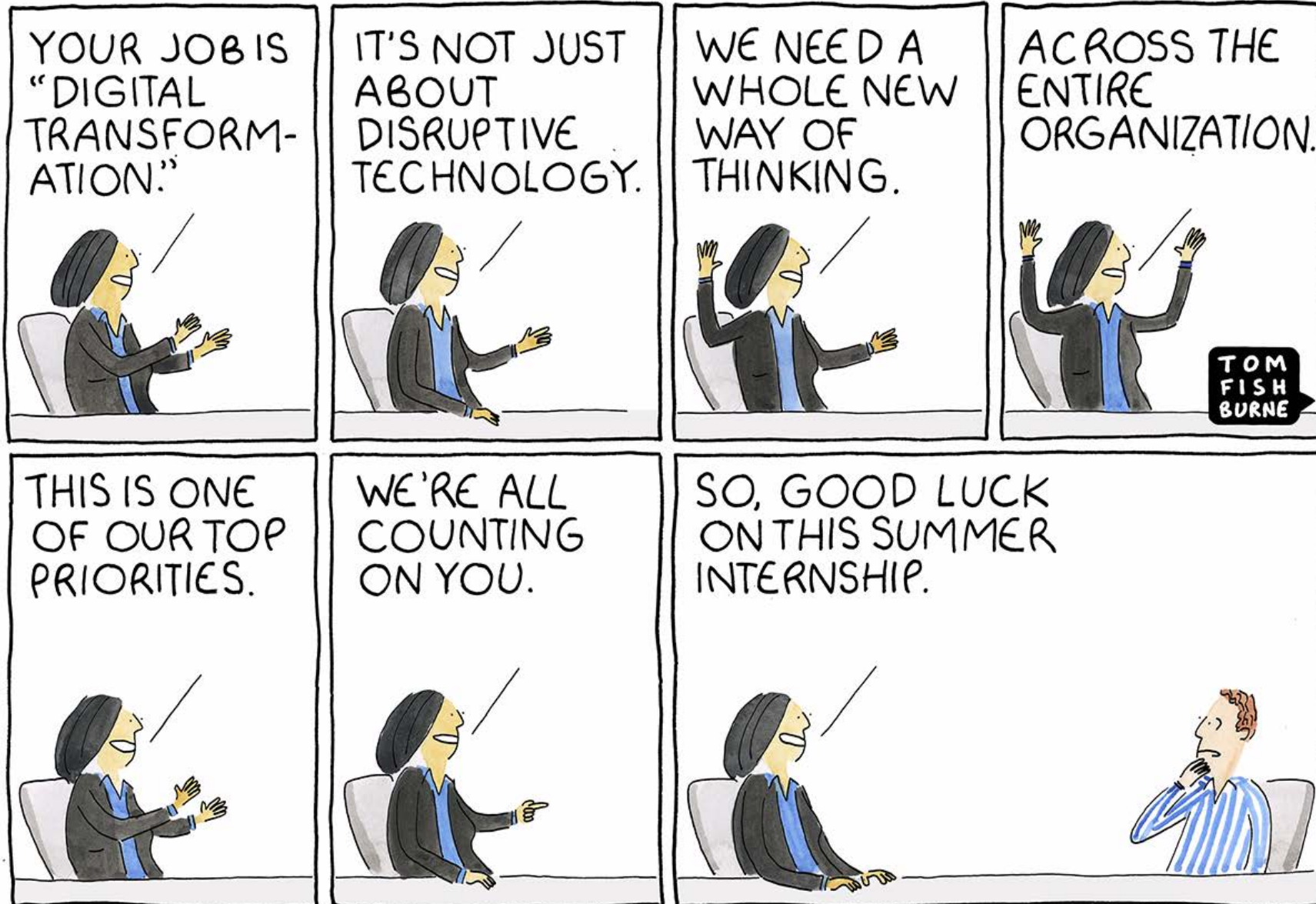




# Industry collaborations at the SDSC

# Your life in a few months?





## Our mission is to accelerate the adoption of data science and AI in Switzerland

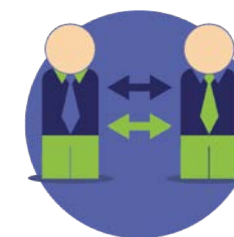
- An initiative from the ETH Domain, started in 2017
- Growing to 50+ full-time professionals
- Offices in Zurich and Lausanne
- 30 academic projects and 6 industry collaborations



Academic  
projects



Industry  
collaborations



RENKU  
platform

# Why industry collaborations?



There is a gap between **data scientists** and **domain experts** which limits the impact of AI in companies



There is a need for **external talents** to provide **innovative solutions** to business challenges



There is a wish to be **accompanied in the data-driven journey** by a **neutral partner**

# How do we support the Swiss Industry ?

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- We **deliver proof of concepts** solving your business challenges with embedded data scientists
- We **provide expertise** in machine learning, time series analysis, computer vision and natural language processing



# Overview of our collaboration models

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## Research project(s)

*(1 person)*

- ✓ 1 FTE to work on research projects
- ✓ Listed as official SDSC partner
- ✓ Free entrance to the SDSC industry events

**and/or**

## Membership

- ✓ Access to specific expertise within the SDSC team
- ✓ 5 days of coaching (senior staff)
- ✓ Listed as official SDSC partner
- ✓ Free entrance to the SDSC industry events



# Our use cases (so far)

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## Industries

- Energy
- Food
- Pharma
- Luxury
- Banking
- Perfume

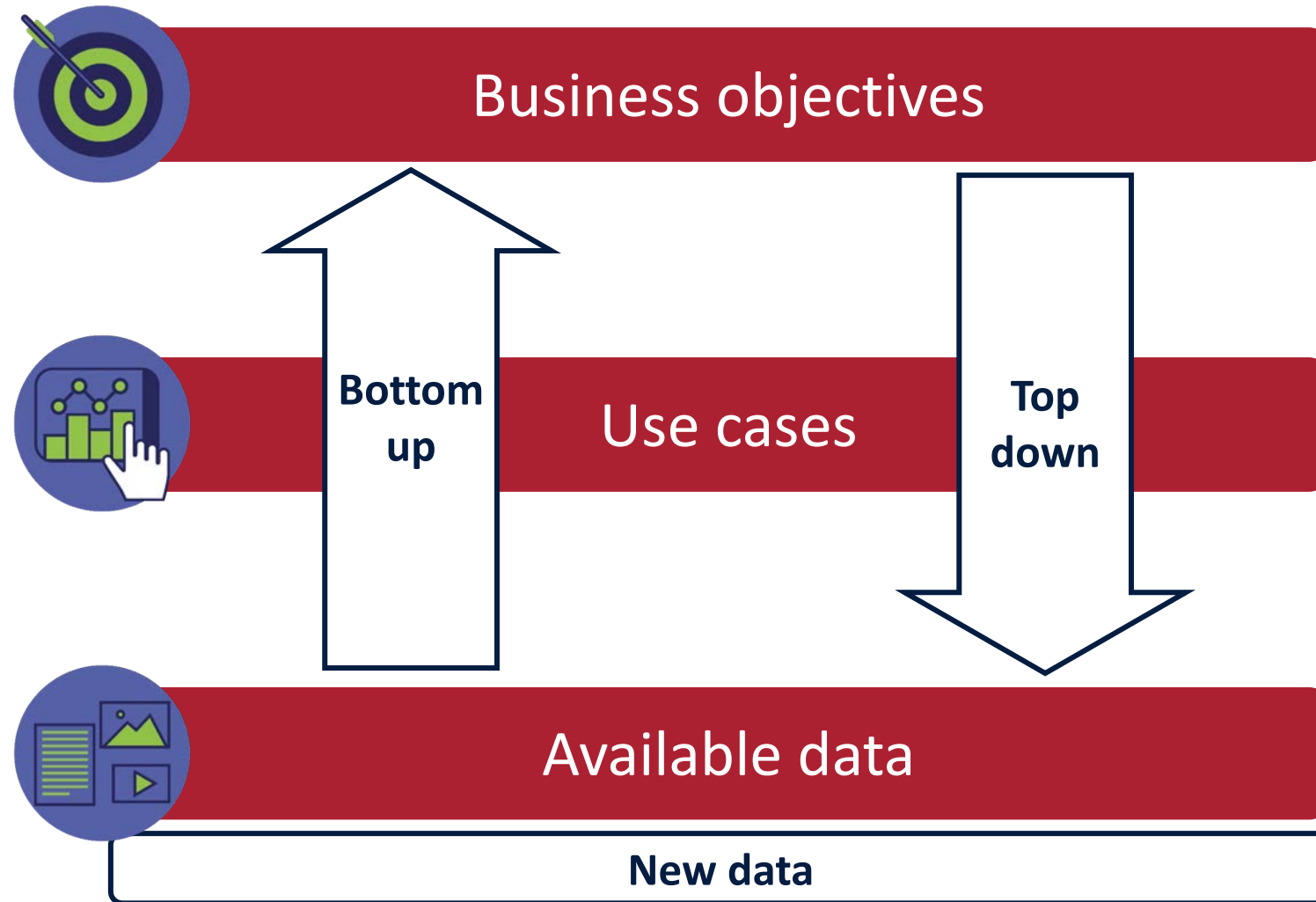
## Expertise

- Data Visualization
- Forecasting
- Machine Learning
- Natural Language Processing
- Computer Vision

## Use cases

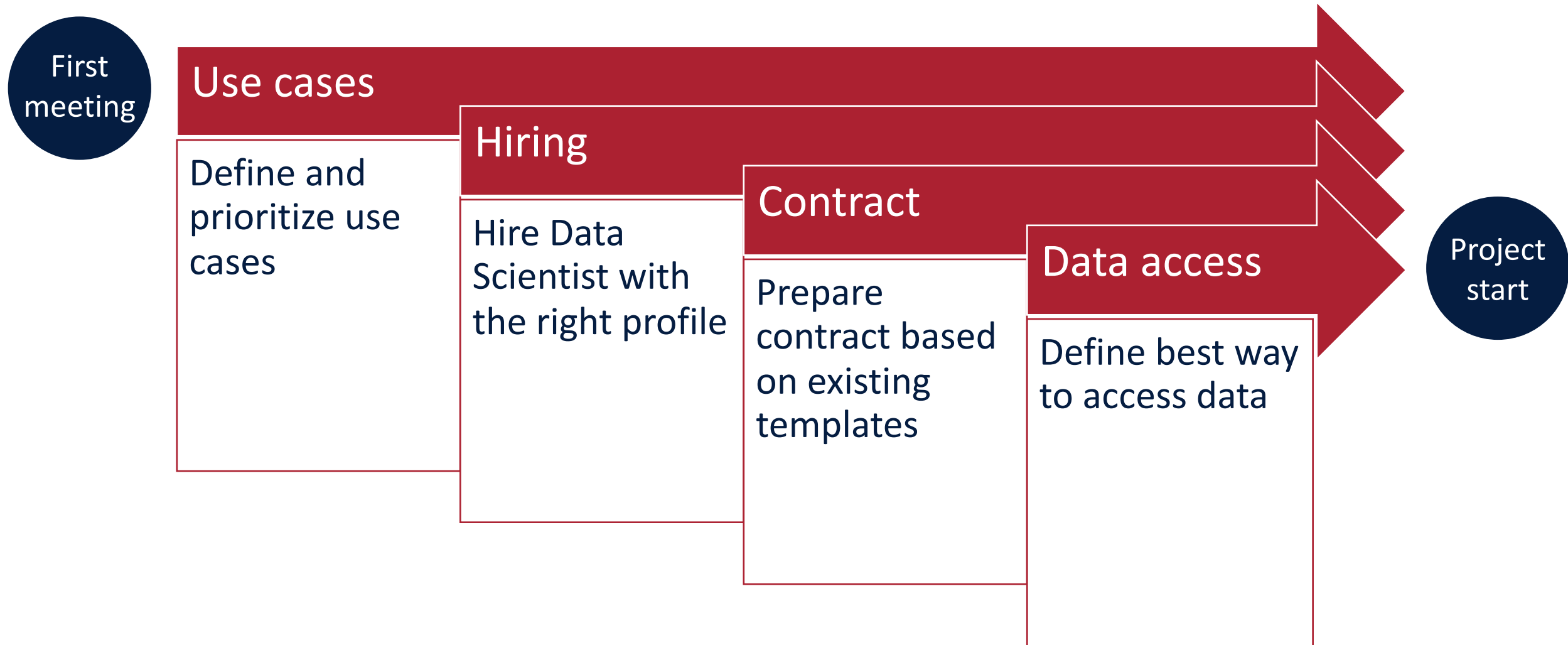
- Lead targeting
- Customer segmentation
- Churn prevention
- Process control
- Defect detection
- News monitoring

# We combine bottom-up with top-down approaches





# From the first meeting to the project start



# Selected 2019 projects

Company/Sector	Topics
Global food, feed & advanced materials company	<ul style="list-style-type: none"><li>• Topic modelling/event detection regarding food safety</li><li>• Insights &amp; recommendations on rice milling process</li></ul>
Luxury holding	<ul style="list-style-type: none"><li>• Understand and forecast watch repair activities</li><li>• Analyze high jewellery customer journey</li></ul>
Private bank	<ul style="list-style-type: none"><li>• Investigate information extraction strategies on open data for reputation analysis/topic discovery</li></ul>
Renewable energy provider	<ul style="list-style-type: none"><li>• Computer-aided prospection based on census data</li></ul>
Global healthcare company	<ul style="list-style-type: none"><li>• Identify key parameters influencing patients' adherence &amp; persistence to a treatment</li></ul>

# Our partners' benefits from working with the SDSC



The **resources** and **flexibility** of our team to solve data science challenges



The right place to foster **innovation** and **continuous learning**



**Objectivity** and **cost efficiency** with our mandates from the Swiss Confederation