



#Data

Why do we need data?

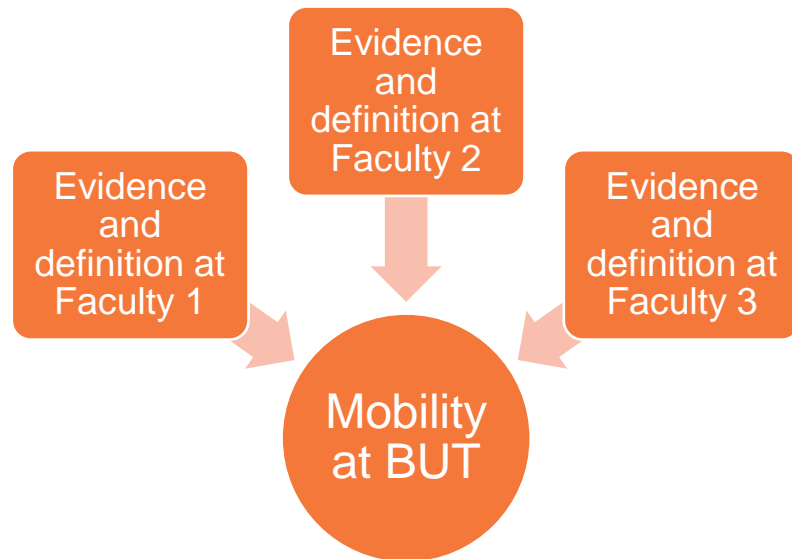
What is data?

What do we want to do with data?

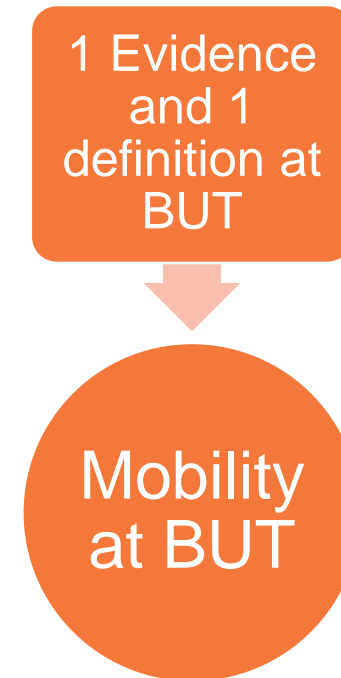
Situation at our university



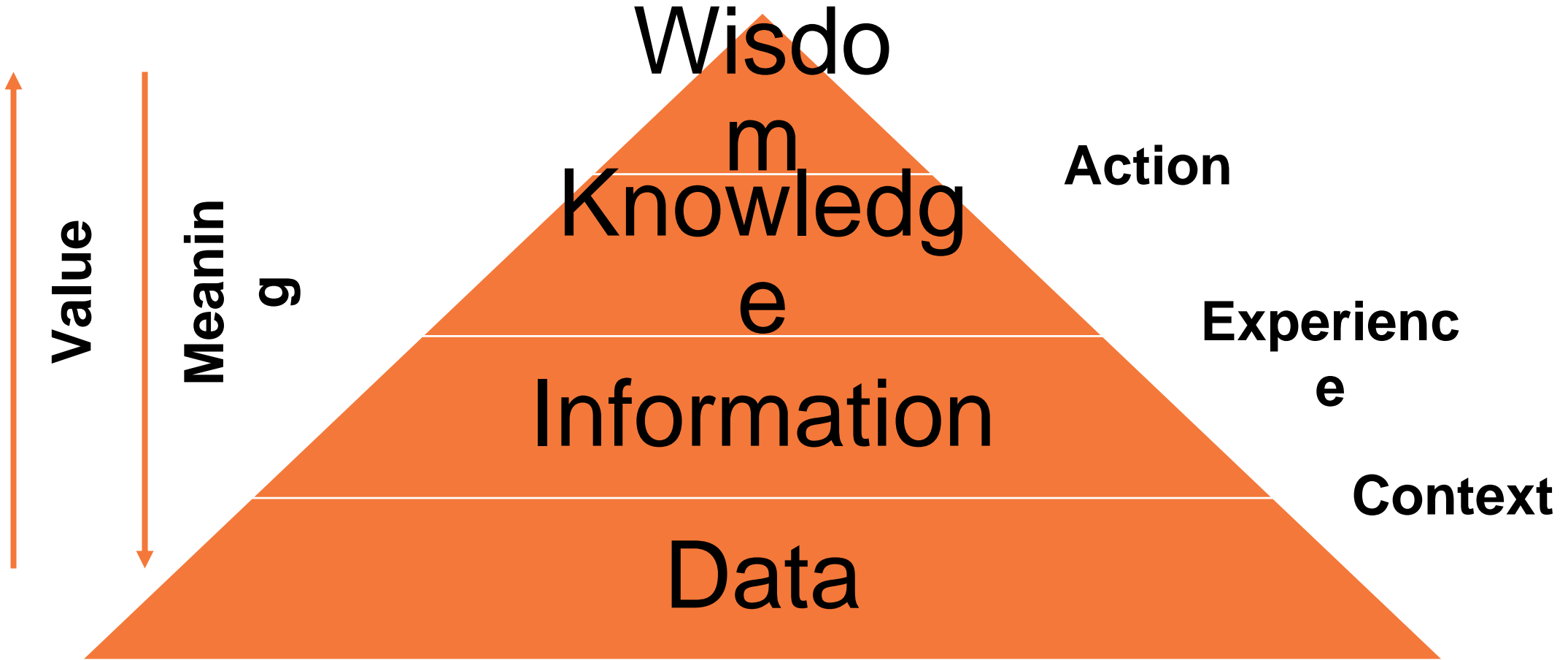
Before



Now



Data in context



Mobility at Brno University of Technology



Strategic plan of
BUT 2021+

Annual
implementations
of the strategic
plan

Internationalisation
strategy

We Can Do It!





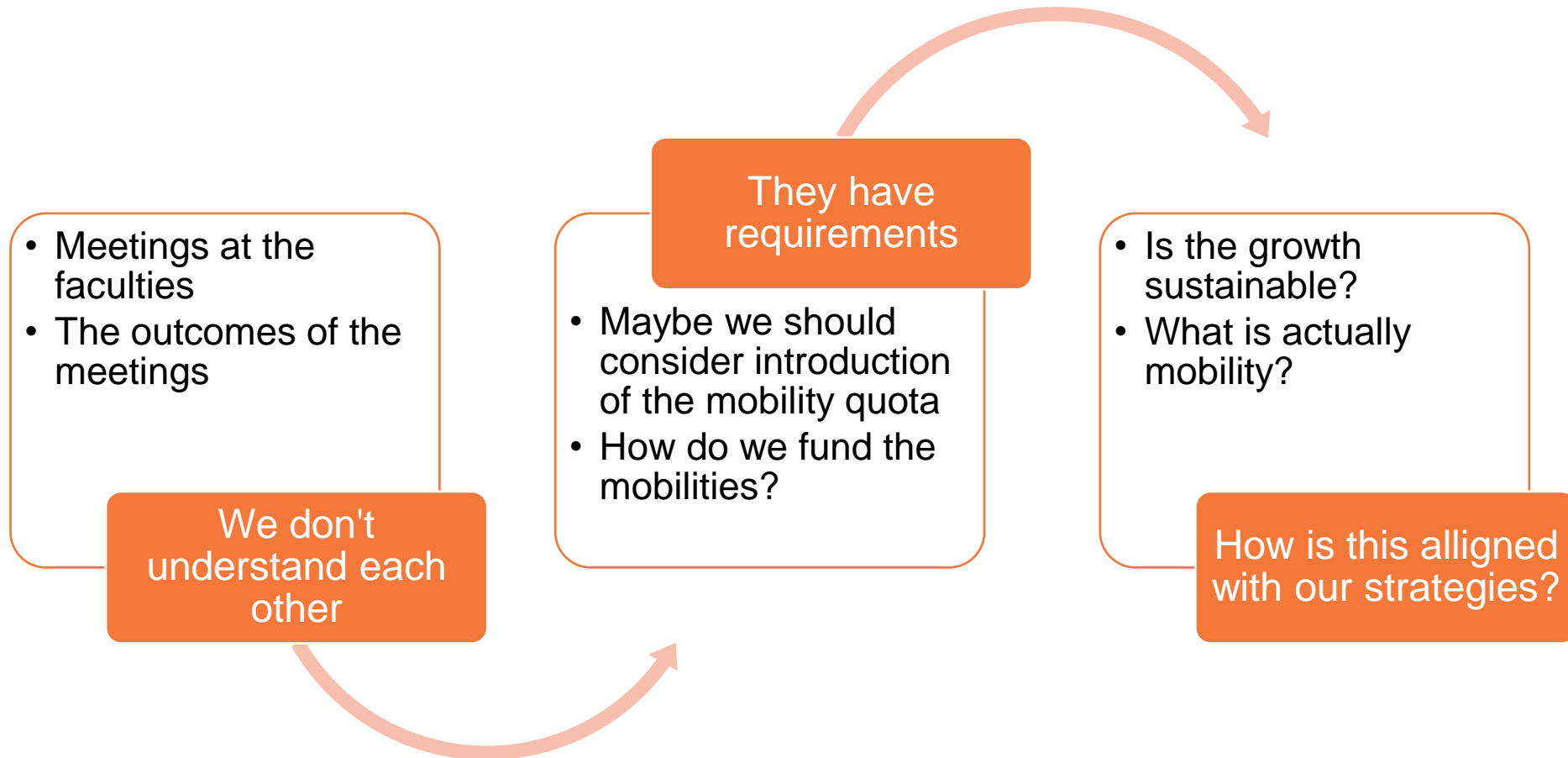
#Definition

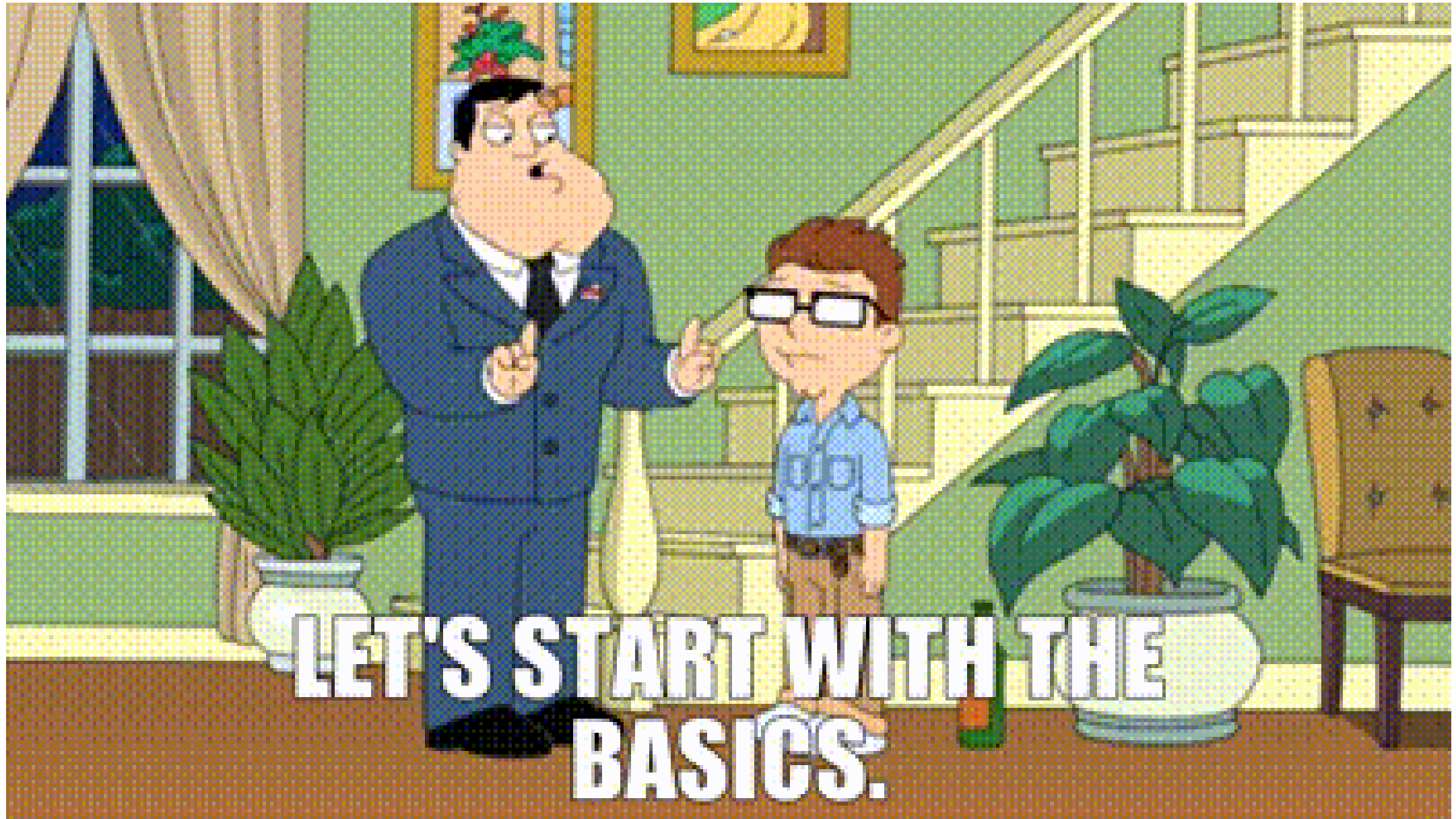
Internal assessment

We need to understand each other

We need to define centrally!

Initial situation





For whom are we doing the mobilities?



Students

Employee
s

How are they realising the mobilities?



Incoming
students

Outgoing
students

Incoming
employee
s

Outgoing
employee
s

What can we influence the most?



Incoming
students

Outgoing
students

Incoming
employee
s

Outgoing
employee
s

More concretely



1.12.1 - Focus on supporting mobility and scholarship programmes (not only study stays, but also work placements, traineeships, etc.)

- Keep electronic records of all mobility events under mobility programmes
- Define a bilateral mobility plan for 2025
- Make full use of scholarship programmes to support mobility and excellence of staff and students
- Support student events, competitions (according to the relevant list and its ongoing updates)
- Revise the offer of mobility programmes, including the addition of relevant methodological documents for their use

What are our options?



Internal Legislation at BUT

- **Codes**
- **Guidelines**
- **Resolutions**
- **Directives**
- **Methodical directives**



How wonderfully bureaucratic.

Sure, but here is the result...



VYSOKÉ UČENÍ TECHNICKÉ V BRNĚ

Datum vydání:	4. 4. 2024
Účinnost:	4. 4. 2024
Závaznost:	všechny součásti VUT
Zrušuje:	-
Doplňuje:	-
Počet stran:	2
Počet příloh:	-

METODICKÝ LIST Č. 2/2024

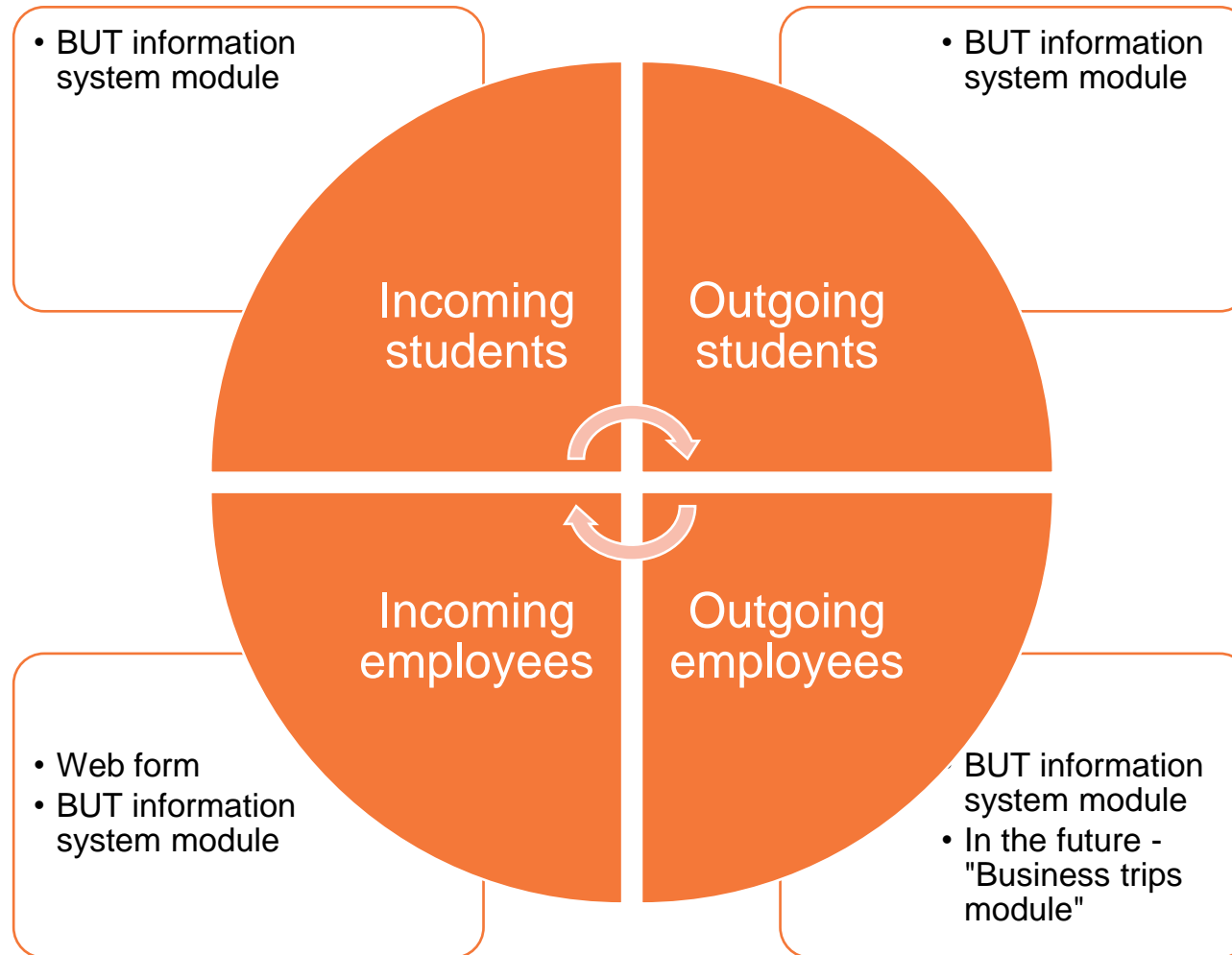
DEFINICE MOBILIT NA VUT A PRAVIDLA EVIDENCE PŘIJÍZDĚJÍCÍCH ZAMĚSTNANCŮ

Článek 1

Předmět úpravy

1. Tento metodický list sjednocuje definice mobilit dle jejich jednotlivých typů a stanovuje základní pravidla pro evidenci příjezdějících zahraničních zaměstnanců.

How do we count the mobilities?





Selection from
the list of
students



Transfer in the
specific module
of the information
system



Outgoing student
mobility

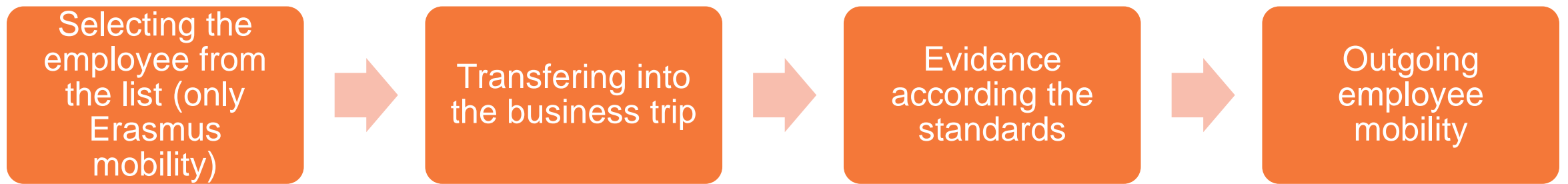
Web form or module
of information system



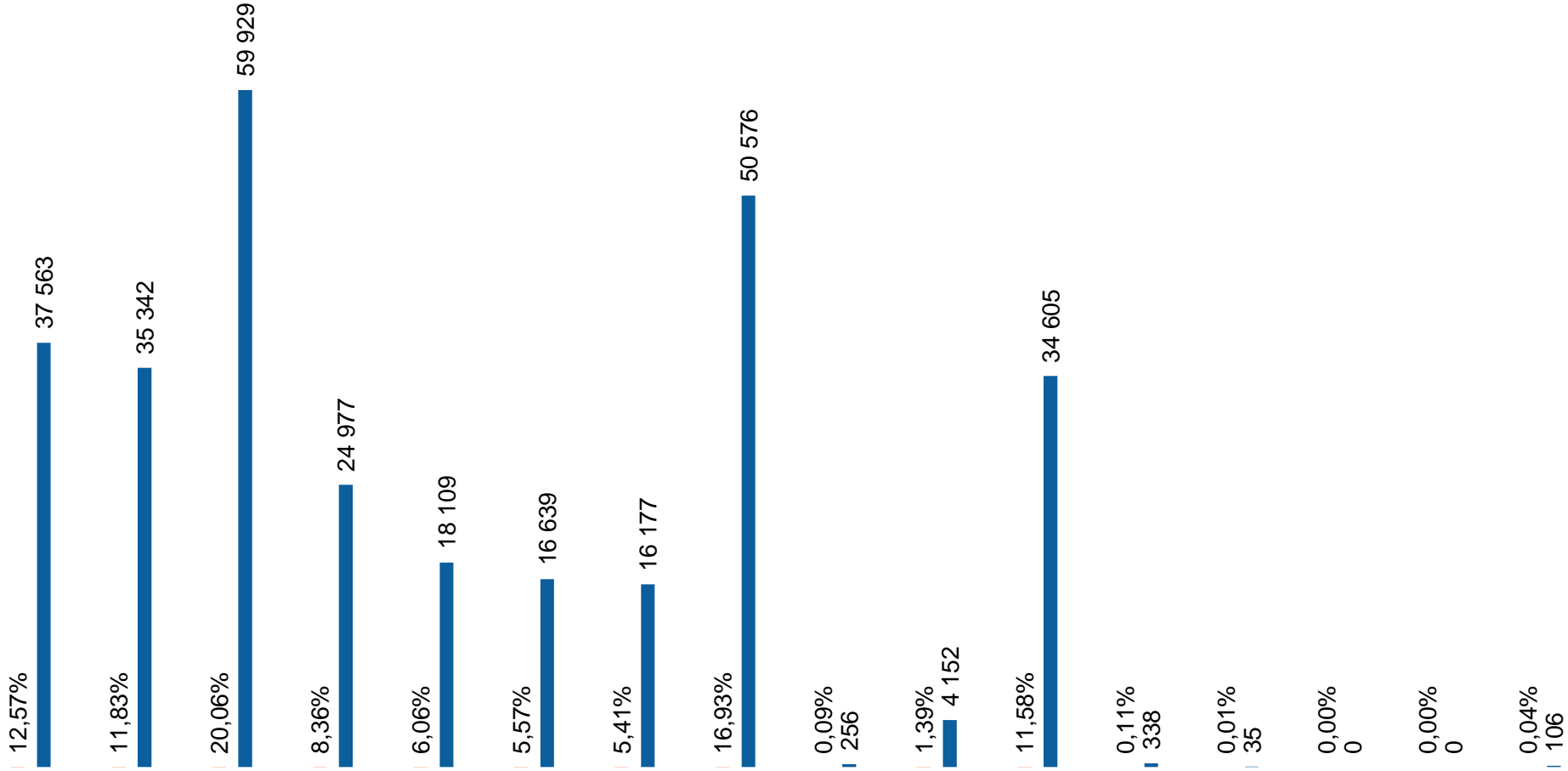
Situation based
evidence by the
incoming employee or
the faculty
administrative staff



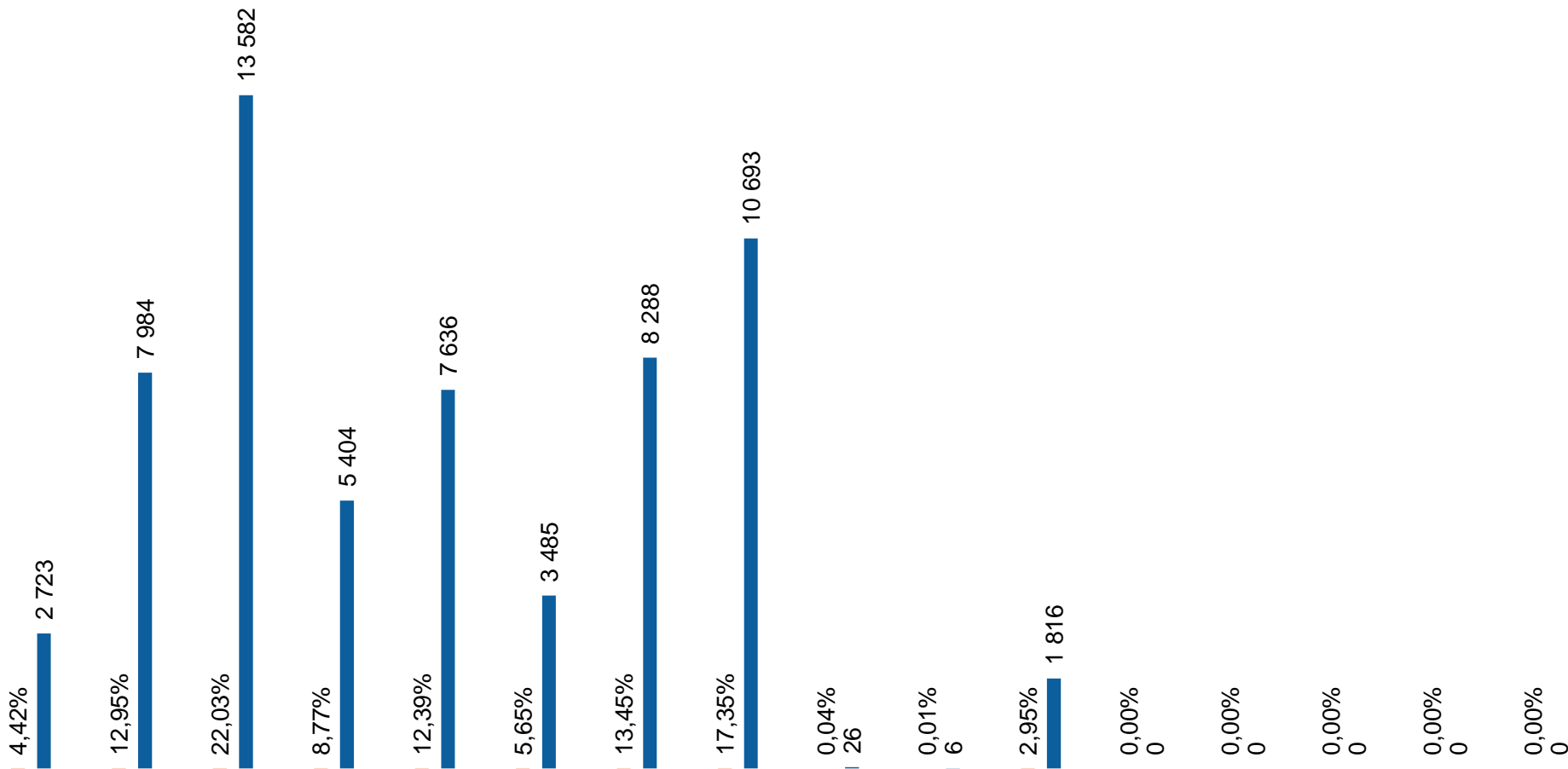
Incoming employee
mobility



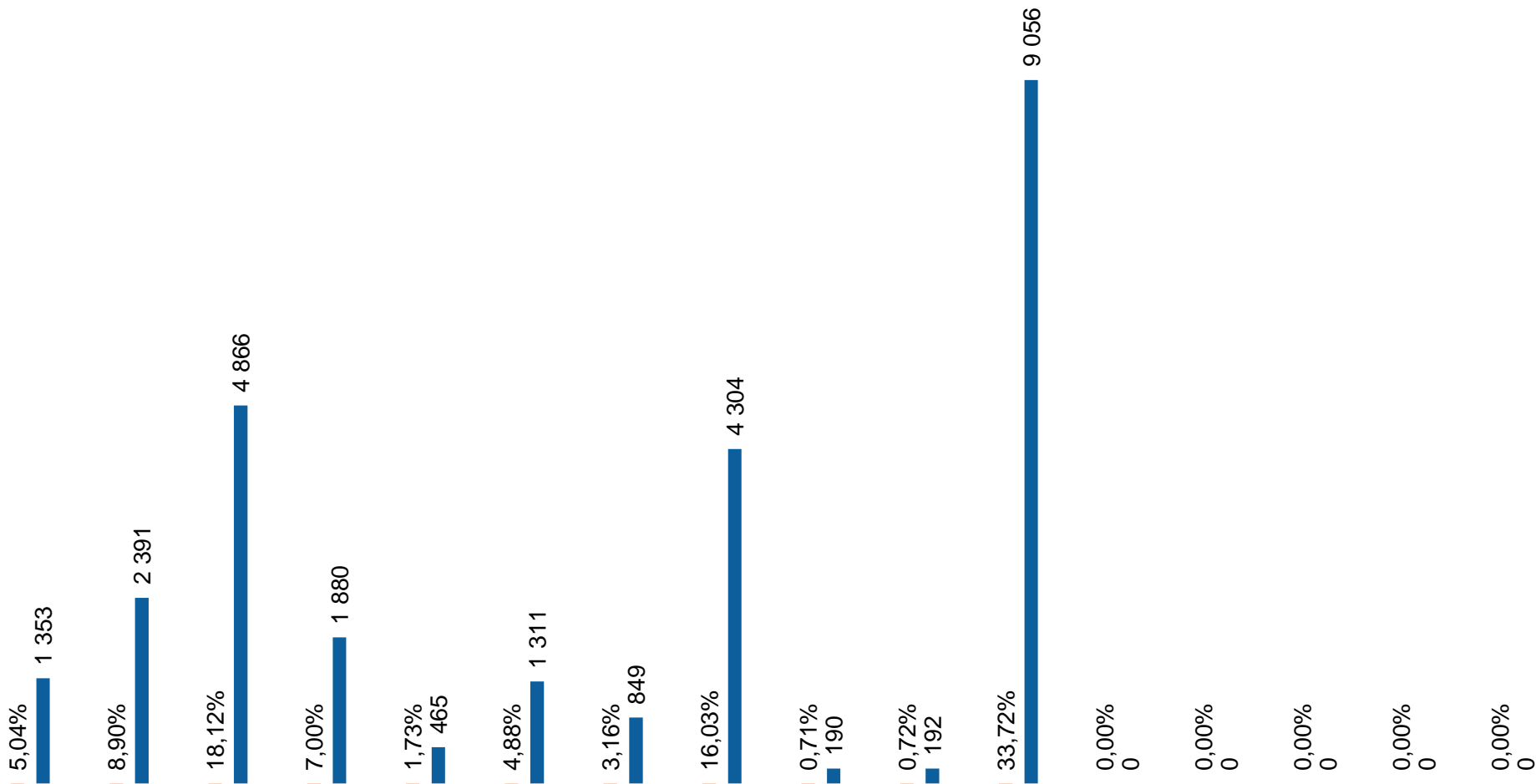
Faculties' share on the index K



Faculties' share on the "mobilities" on the index "K"



Faculties' share on the “foreign academics and researchers part of index “K”



Troubles with (double) evidence



Situation at the faculties

- **Excel evidence**
- **Different usage of the mobility programmes**
- **Different interpretations**

Situation at the Rector's Office

- **Evidence from the university Information System**
- **No knowledge about the mobility programmes**
- **No centralisation**





#Collection

Our information system
Data semantics
Managerial Information
System

Our information system



Problem with the information system

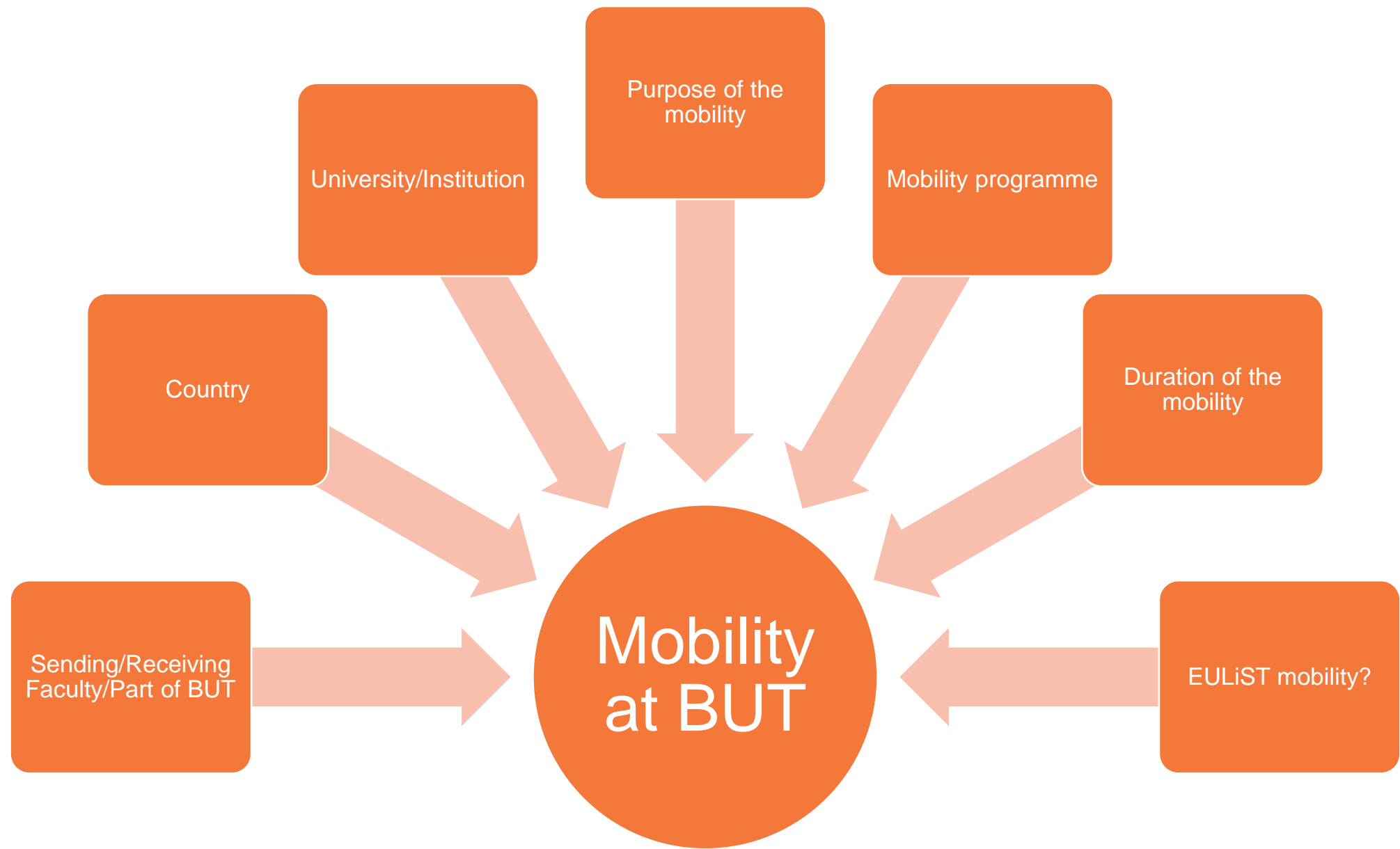


Too many modules

- **For incoming students**
- **For outgoing students**
- **For incoming employees**
- **For outgoing employees**

They are not compatible

- **Evidence of the information is not the same in all the modules**
- **We are not able to extract it in the same format**
- **How can we decide then?**



How to combine



BUT Managerial Information System



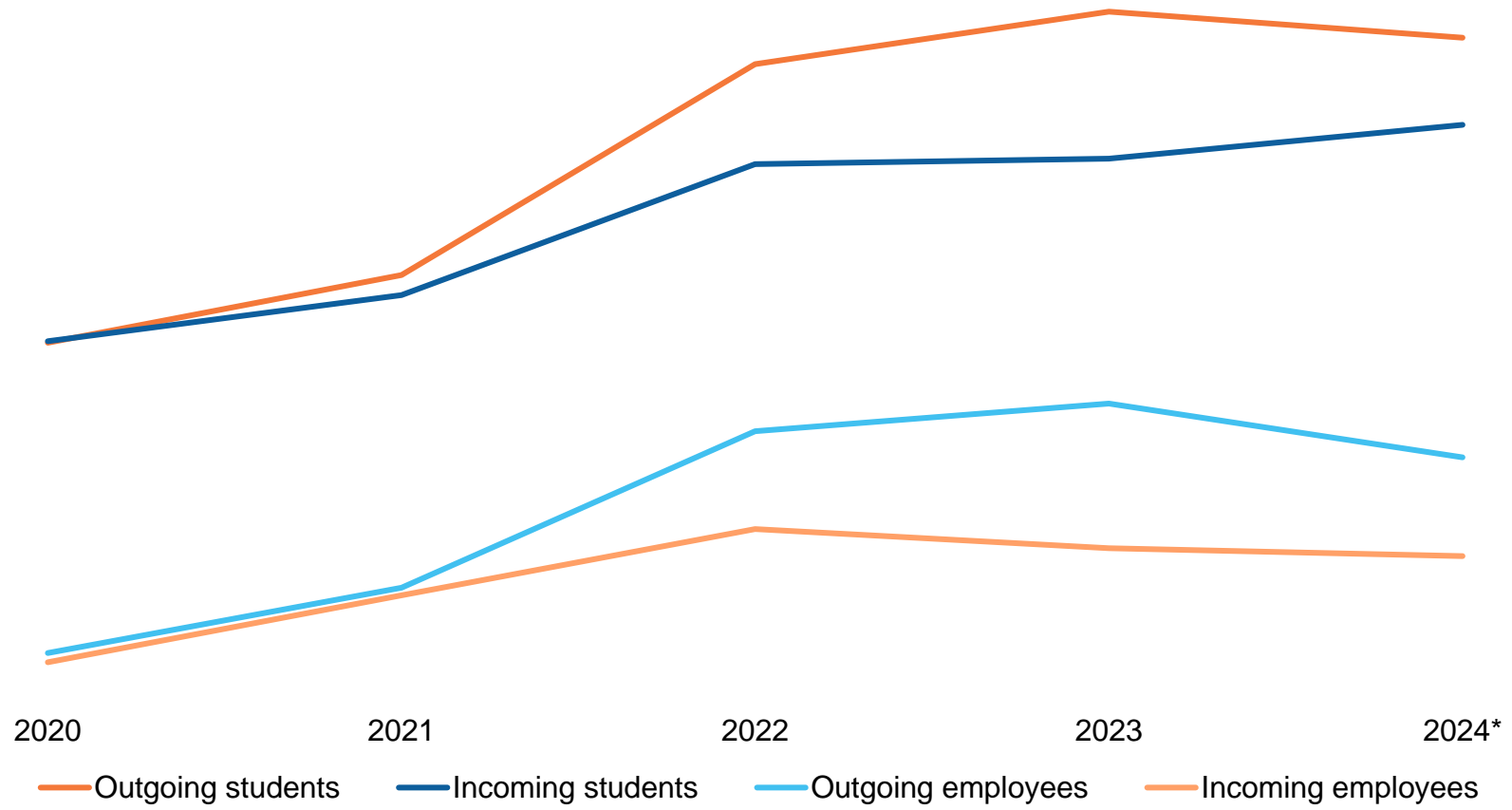
Format

- **Data cubes (*not only for the mobility data*)**
- **SAP Data Warehouse**
- **Combination from the BUT Information System Modules**

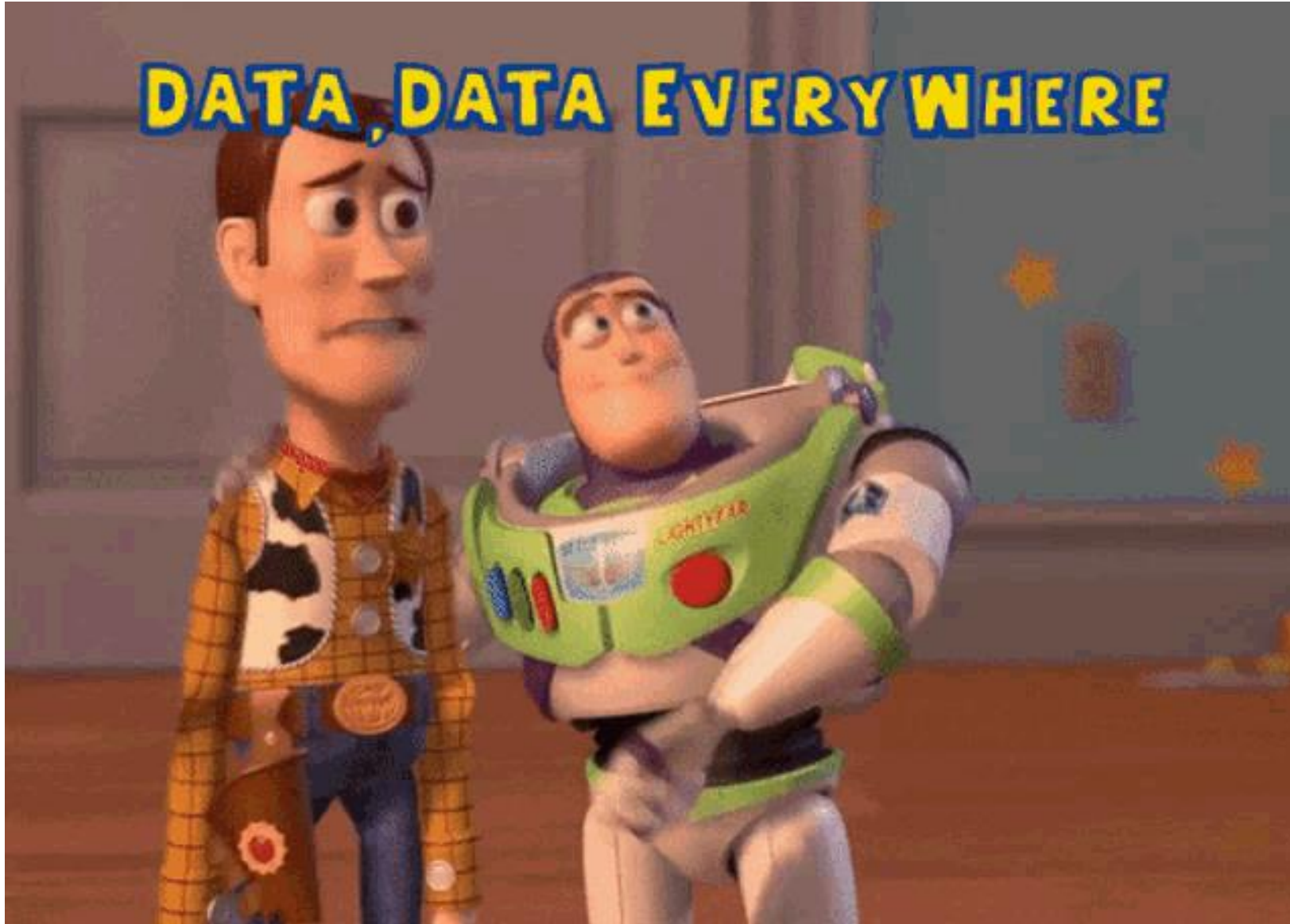
Usage

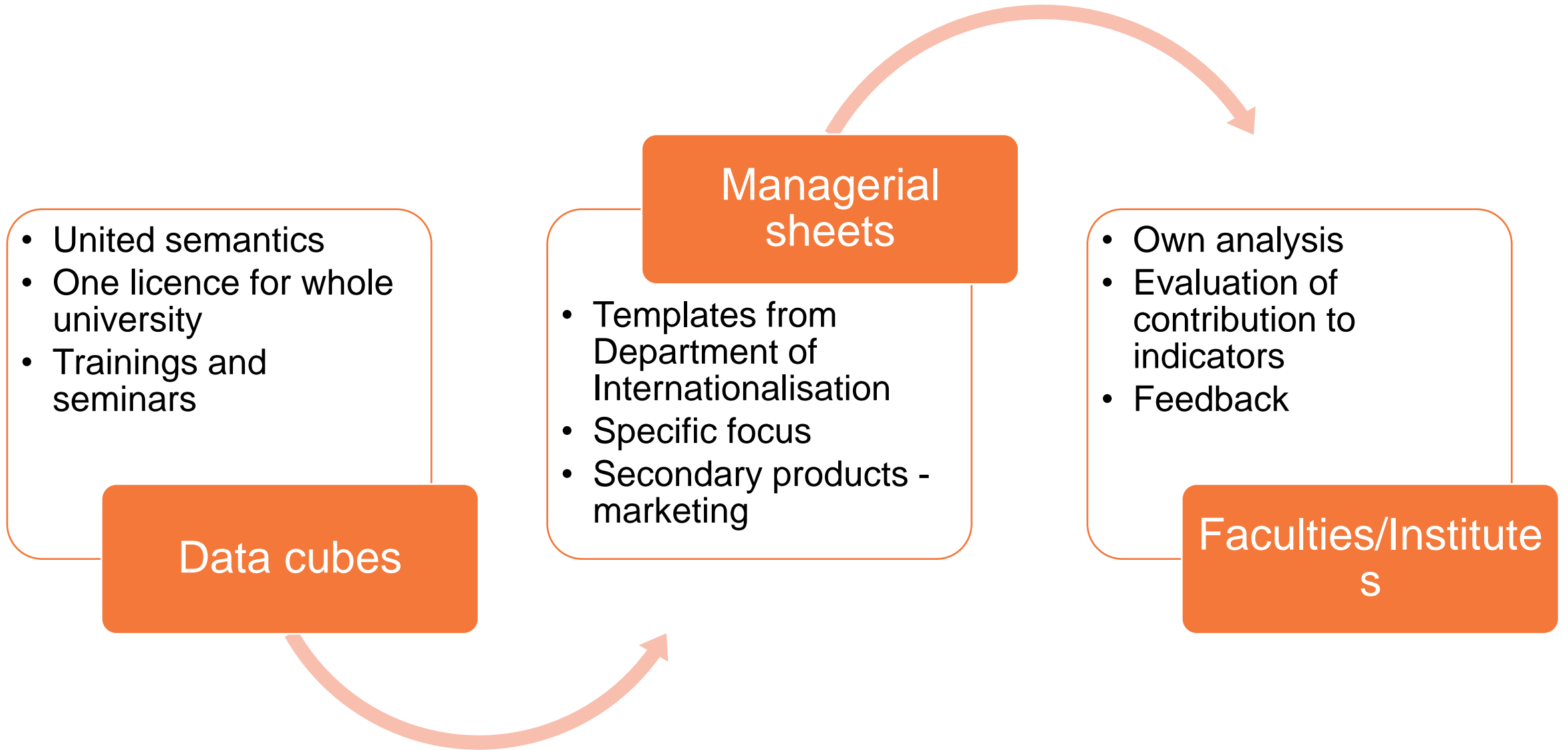
- **Excel**
- **Analysis add-in**
- **Real-time data**

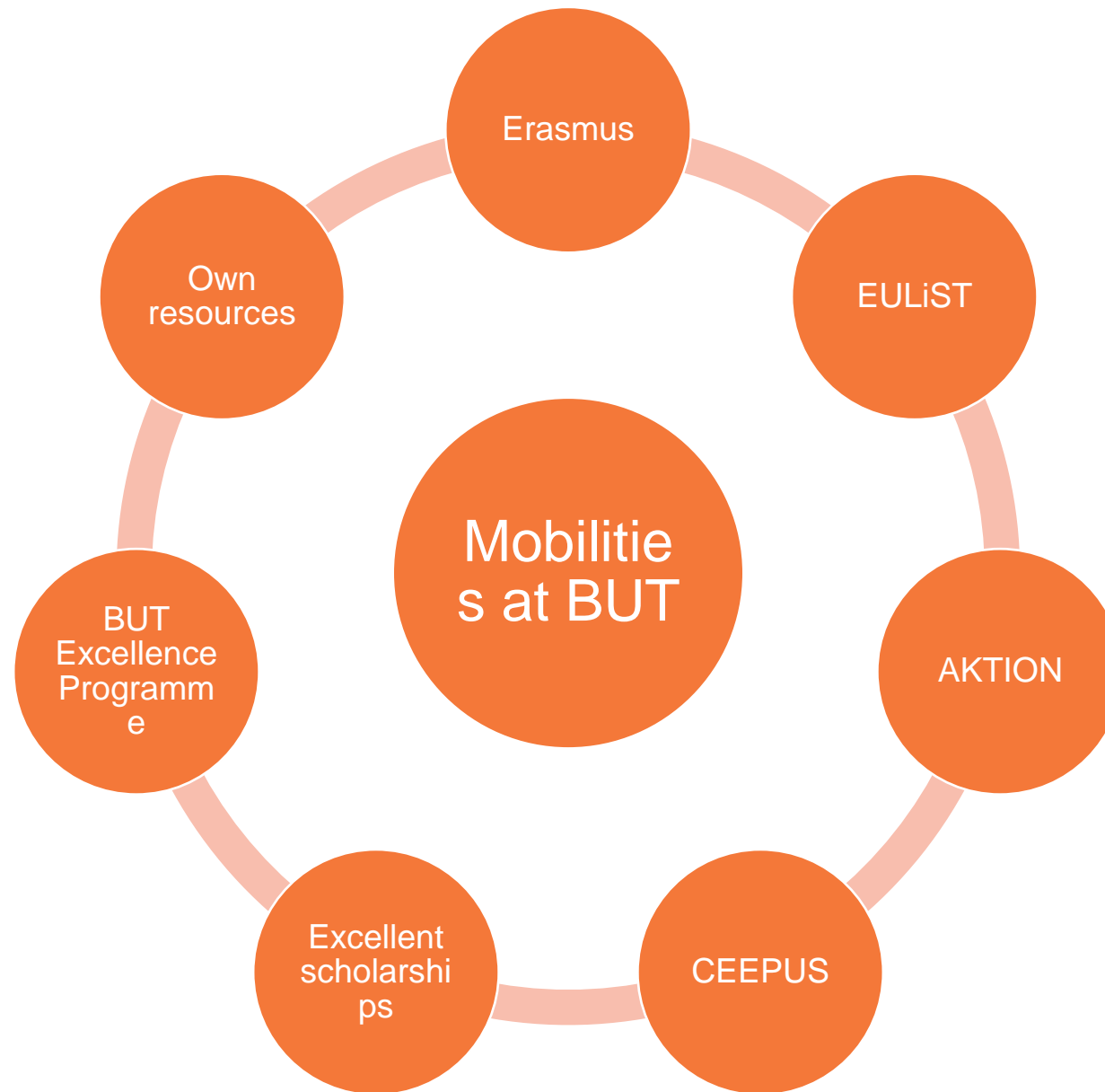
The impact



DATA, DATA EVERYWHERE







A man with short dark hair and a beard, wearing a red hoodie, is shown from the chest up. He is looking slightly to his left and appears to be speaking. The background is blurred, showing what looks like a wooden structure with yellow accents. Overlaid on the bottom half of the image is white text with a black outline.

**LET'S TRY TO COMBINE
IT INTO ONE**

The current challenges



Evidence

- **Excellent scholarships**
- **Manual evidence**
- **Strategic development of the Welcome Services**

Managerial Information System

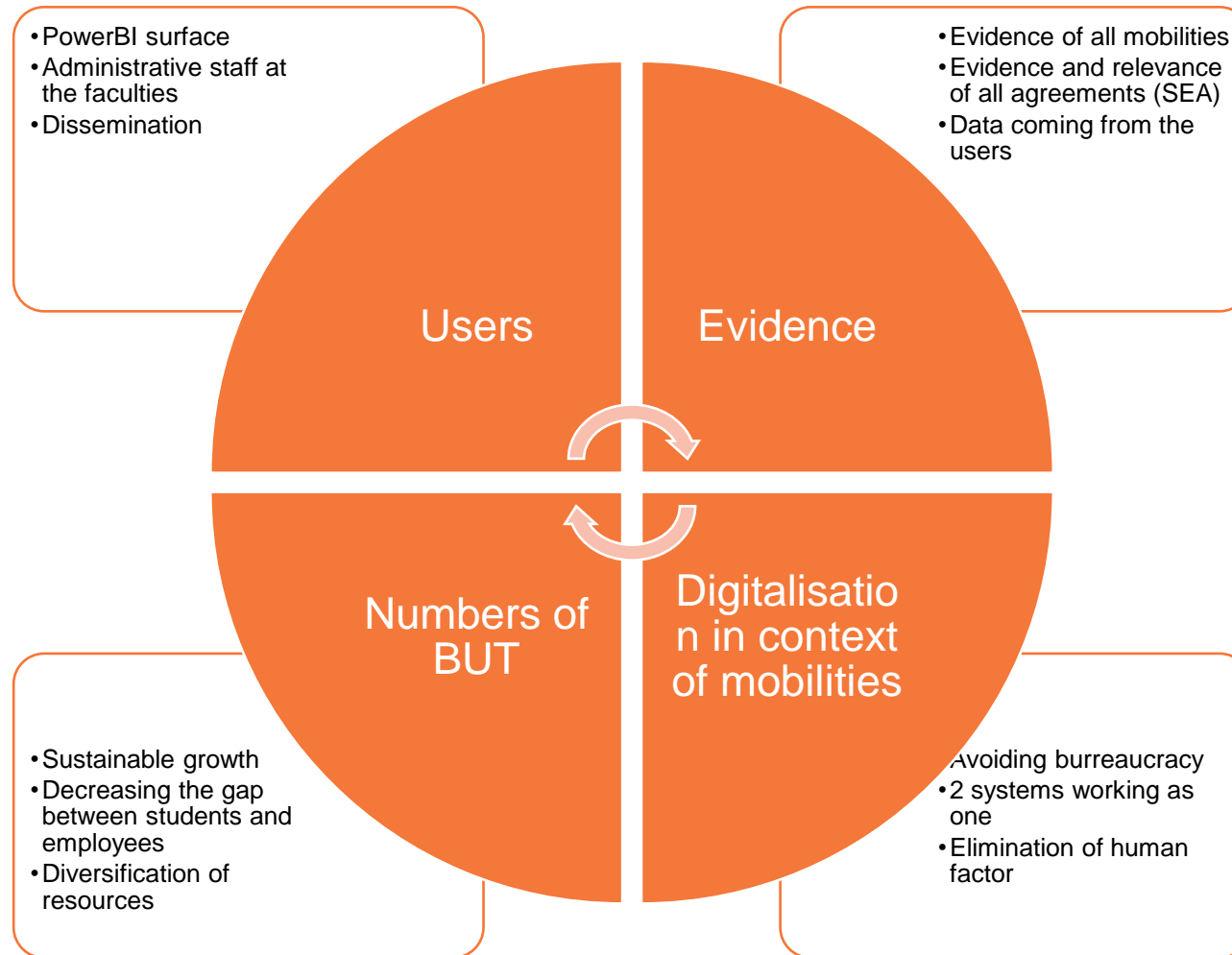
- **Relevance of the agreements**
- **User-friendliness – PowerBI surface**
- **Training, Communication and Dissemination**



alright, what's our next move?

nobodies.

Main areas of the next development



Thank you.