

How to do it on macro level? Experiences from Budapest

András László Kőrizs

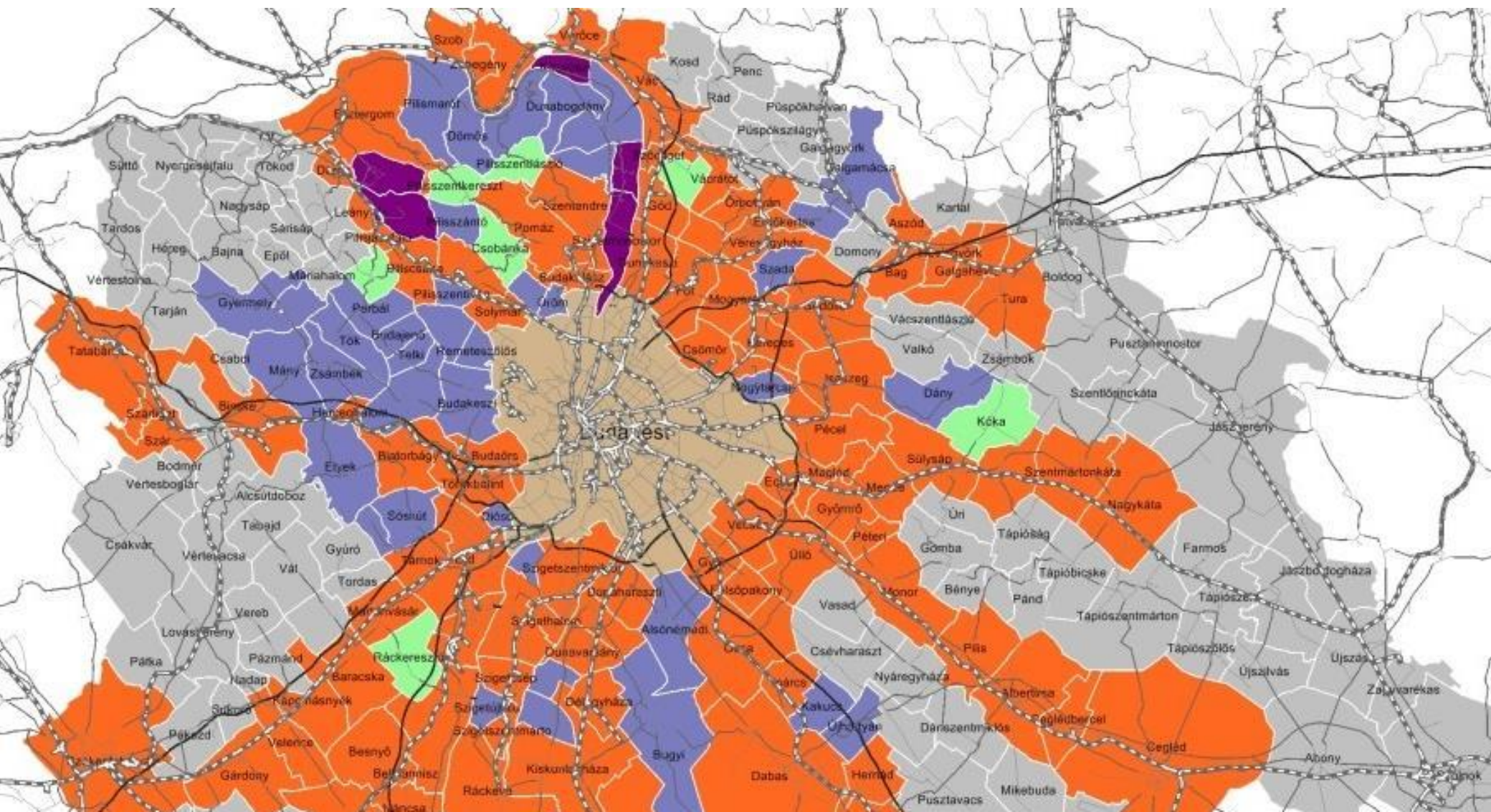
FLOW Final Conference, Brussels

13-14 March 2018



Funded by
the Horizon 2020 Framework Programme
of the European Union

Why do we do macro modelling?



What would decision makers like to know?



DECISION MAKERS

Can we model cycling and walking on macro level?

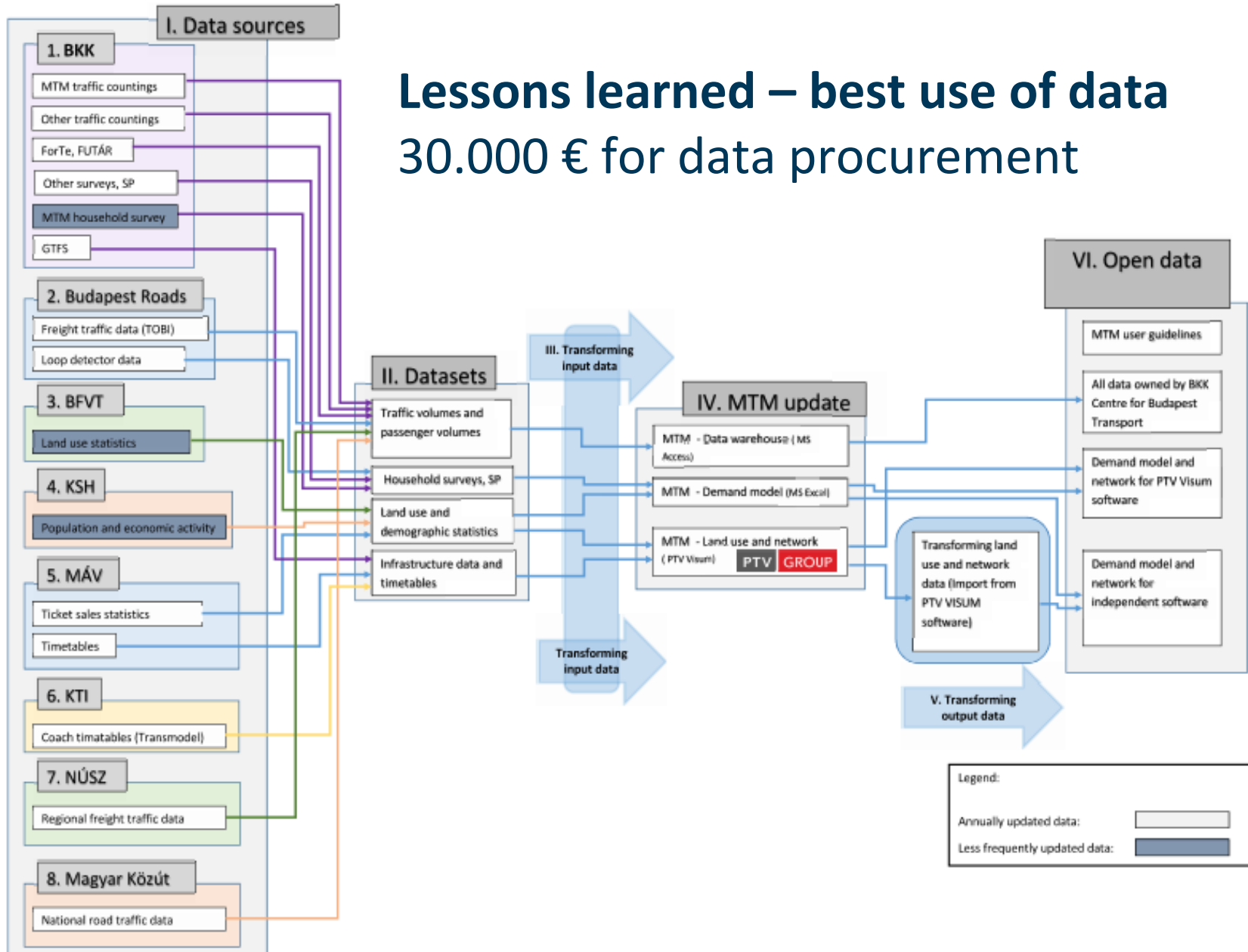


FLOW measures in Budapest

Site name	Budapest inner city bike-friendly area	Extension of MOL-Bubi area
Site size	Downtown of Budapest: 32km ²	
Network size	Entire city and its agglomeration (525km ² + 2,538km ²)	
Enhancements	BKK is investing in traffic engineering measures for better cycling experience in the inner city	BKK further developing the MOL-Bubi area with further stations
Main aspect	How to increase cycling modal share through such measures	How to integrate bike sharing system to a macroscopic model
Modelling approach	Macroscopic model with specific cycling attributes	Macroscopic model with specific bike sharing features
KPI	Modal share	

Lessons learned – best use of data

30.000 € for data procurement



Lessons learned – Staff

PTV VISUM modelling trainings:

- Introduction to modelling (basic)
- VISUM 4-step modelling (advanced)

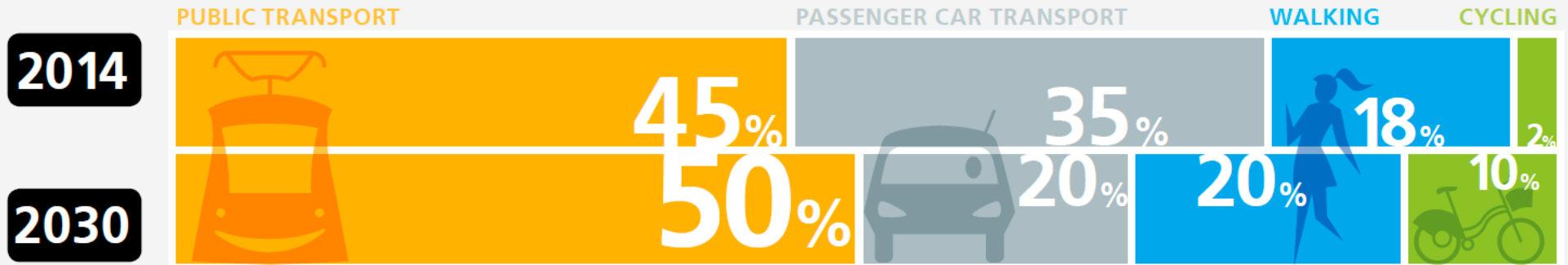
Continuous consultation and online support with PTV

Internal capacity building

Personal development through internal modelling tasks



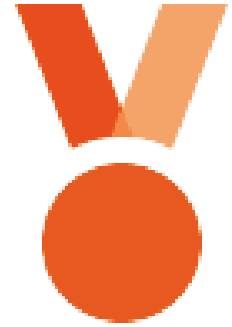
Lessons learned – Integration



How can you make FLOW tools work for your city?

Cities who does not yet do modelling:

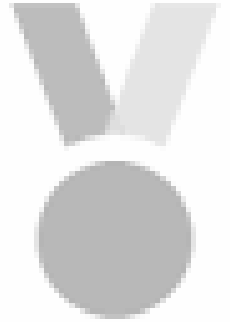
- Start planning on paper with pencil
- Think about the already existing data sources
- Download and try out the tools
- If there is missing input data, try to estimate
- How could you make it better?
- What can you do tomorrow?
- How can you convince your boss to move forward with modelling?



How can you make FLOW tools work for your city?

Cities who already have models

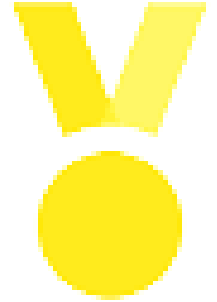
- Probably you have
 - an old model or several models for different tasks
 - several new data sources since the last modelling task
 - a number of colleagues who understand modelling
- Try to apply for funding to upgrade your model or to build a new one
- Try FLOW tools, then tell your experiences or ask more experienced cities




How can you make FLOW tools work for your city?

Cities who have done modeling for decades:

- Probably you have
 - an integrated model
 - reliable data sources
 - a regular update procedure
- You are prepared to use FLOW tools
- Tell you experiences to other cities and try to help them



Ideas for an action plan

- convince **decision makers** about the necessity of modelling,
 - allocate **financial resources** for maintenance and development of the model,
 - procure robust **hardware and software**,
 - collect/procure **data** and store in appropriate structure,
 - build a **robust and reliable model**,
 - use well developed **analysis methods**,
 - work with a well composed team of **trained experts**.
- 
- The footer consists of three horizontal bars: a dark teal bar at the top, a medium green bar in the middle, and a yellow bar at the bottom.

**Thank you! Danke! Köszönöm! Obrigado! Dziękuję!
благодаря! Go raibh maith agat!**



András László Kőríz
email: andras.korizs@gmail.com