How to Overcome Obstacles to the Energy Transition in the Alpine Space by way of Cooperation: the Approach of IMEAS

Dr. Anna Stetter, B.A.U.M. Consult GmbH Munich

Short presentation of B.A.U.M.

B.A.U.M. Consult

![B.A.U.M. logo]

Staff of 50+, founded 1991

- Consulting for companies, municipalities and regions

- Focus on the areas

  - Low carbon society, energy transition, mobility, sustainability management

  - Regional marketing and regional development

  - Cooperation municipality – business
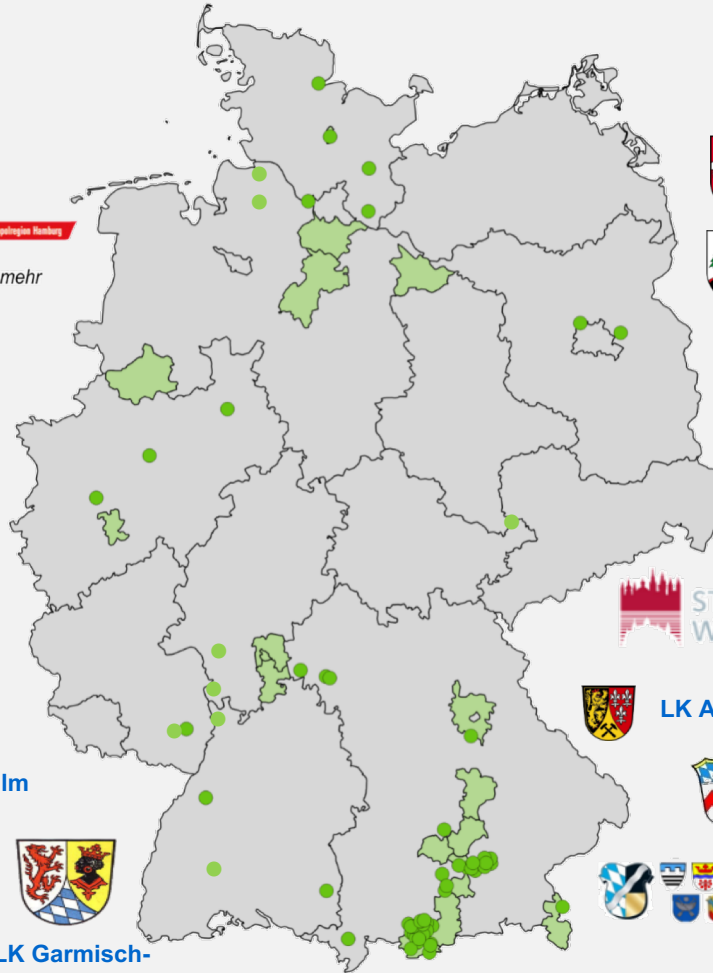
- Partner in national and international research

HAMBURG

BERLIN

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STUTTGART

MÜNCHEN

B.A.U.M. Consult GmbH

Companies	Municipalities and Regions	Research
■ More than 100 ÖKOPROFIT-projects with more than 1.500 companies	■ Energy and climate protection concepts	■ 9 Interreg Alpine Space projects
■ Operational energy consulting – more than 3.000 companies	■ Mobility concepts	■ EUKI project – ALLIES – Activating and Learning from Local Investments in Energy Savings
■ Compliance service	■ Regional marketing and development	■ Numerous other national and international research projects mainly in the field of smart energy
■ Operational mobility management	■ European Energy Award	

Interdisciplinary Team

- chemists
- sociologists
- economists
- physicists
- foresters
- political scientists

- Engineers from the field of
  - environmental
  - power
  - mechanical
  - economics

- computer scientists
- legal experts
- urban / spatial planners
- architects
- grographers
- biologists

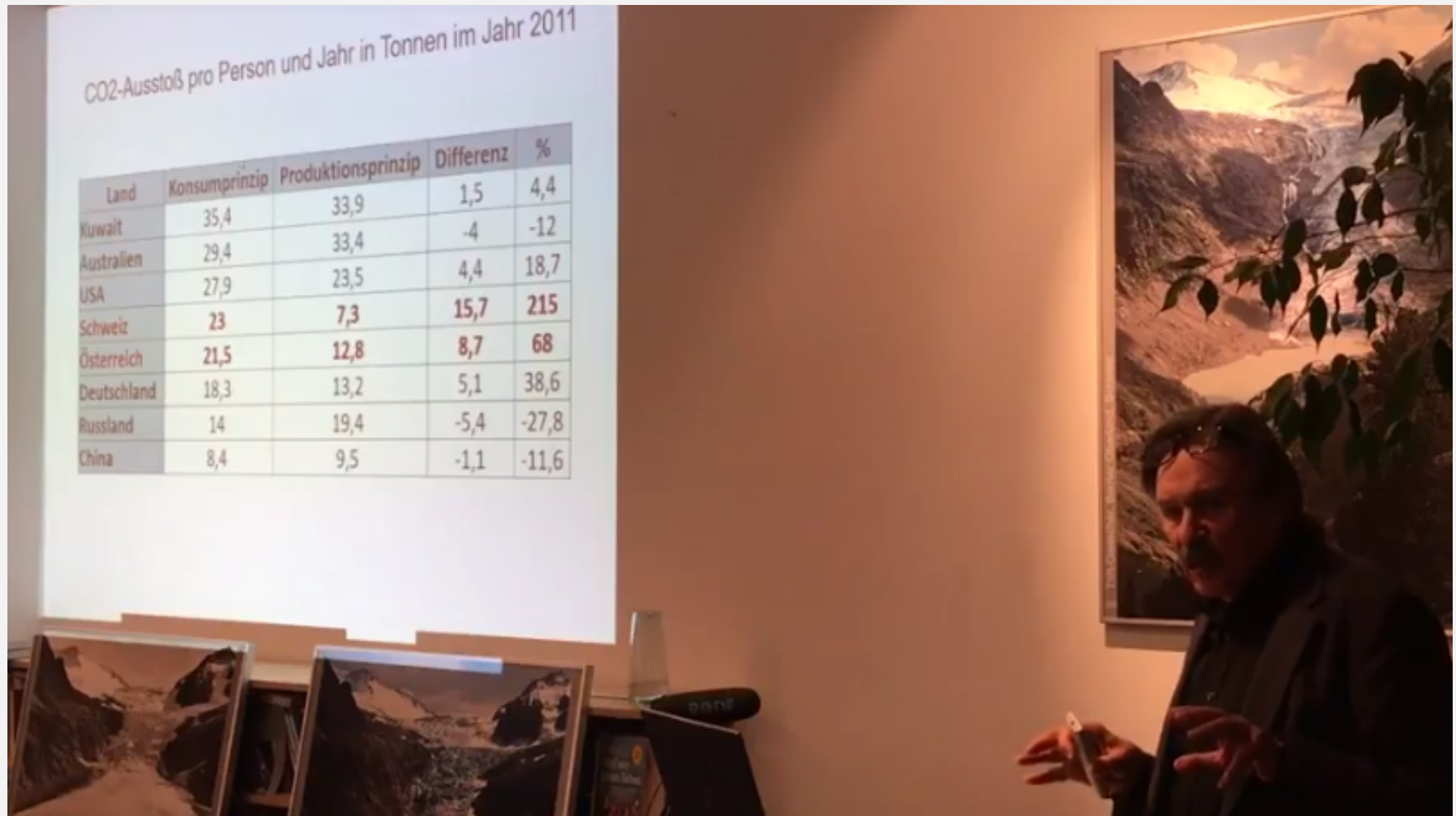# B.A.U.M. – municipalities' partner in climate protection

Dr. Anna Stetter, Let climate visions become reality!

November 7, 2018

The Alpine Space and IMEAS

CO2-Emissions per person

CO2-Ausstoß pro Person und Jahr in Tonnen im Jahr 2011

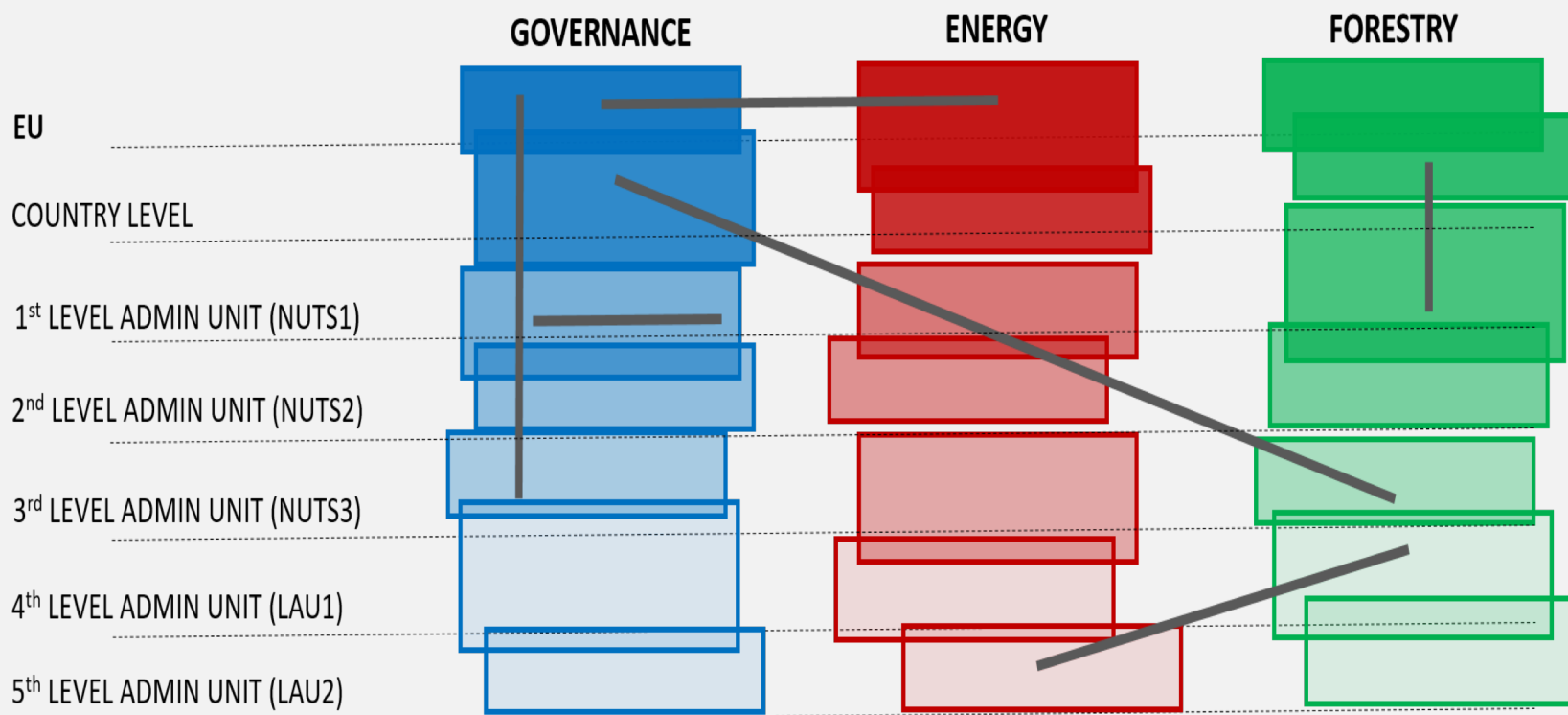| Land	Konsumprinzip	Produktionsprinzip	Differenz	%
			1,5	4,4
Kuwait	35,4	33,9	-4	-12
Australien	29,4	33,4	4,4	18,7
USA	27,9	23,5	15,7	215
Schweiz	23	7,3	8,7	68
Österreich	21,5	12,8	5,1	38,6
Deutschland	18,3	13,2	-5,4	-27,8
Russland	14	19,4	-1,1	-11,6
China	8,4	9,5		

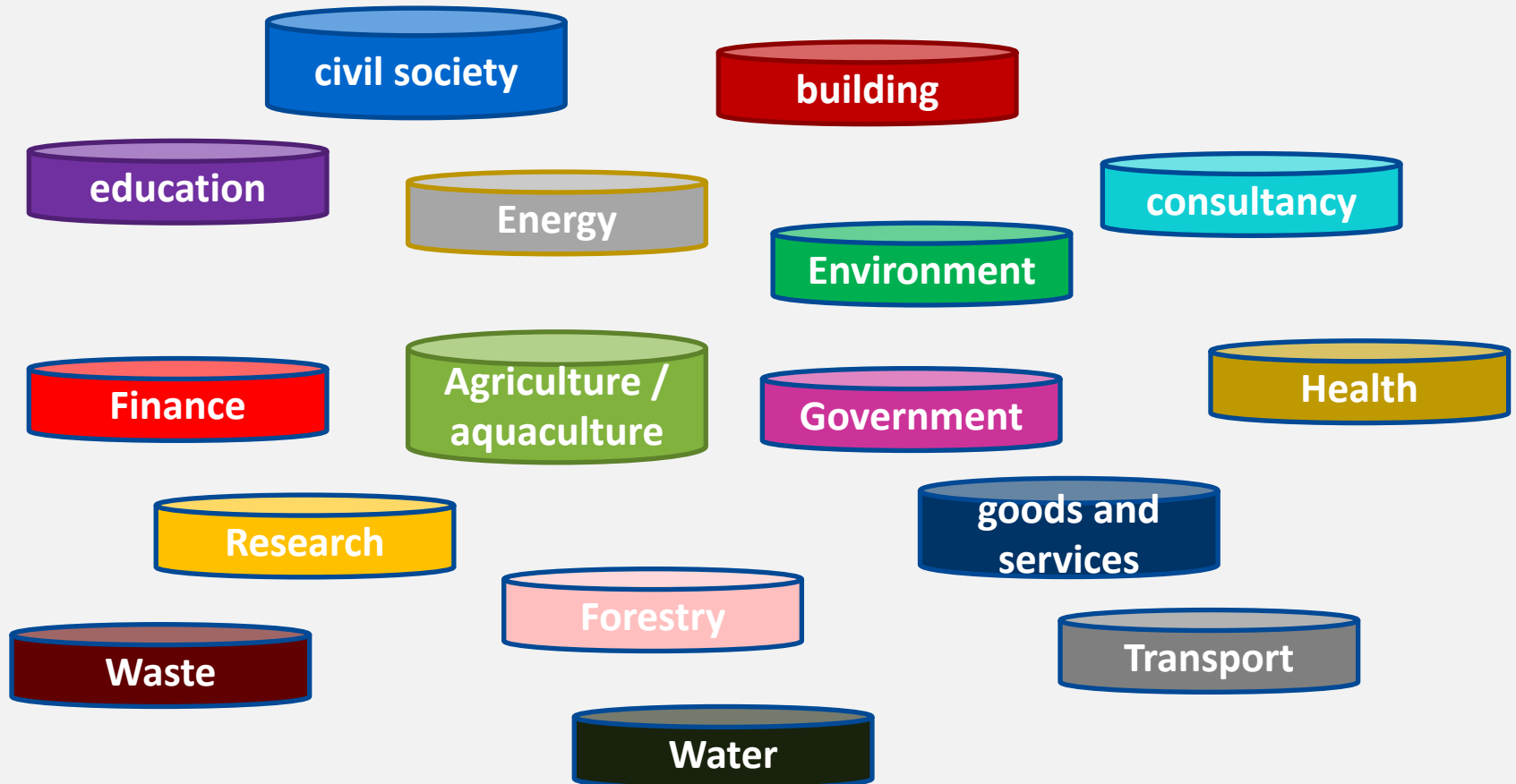# B.A.U.M. Research Projects in the Alpine Space and Beyond

The Alpine Space Project IMEAS

Integrated and Multilevel Energy Models for the Alpine Space
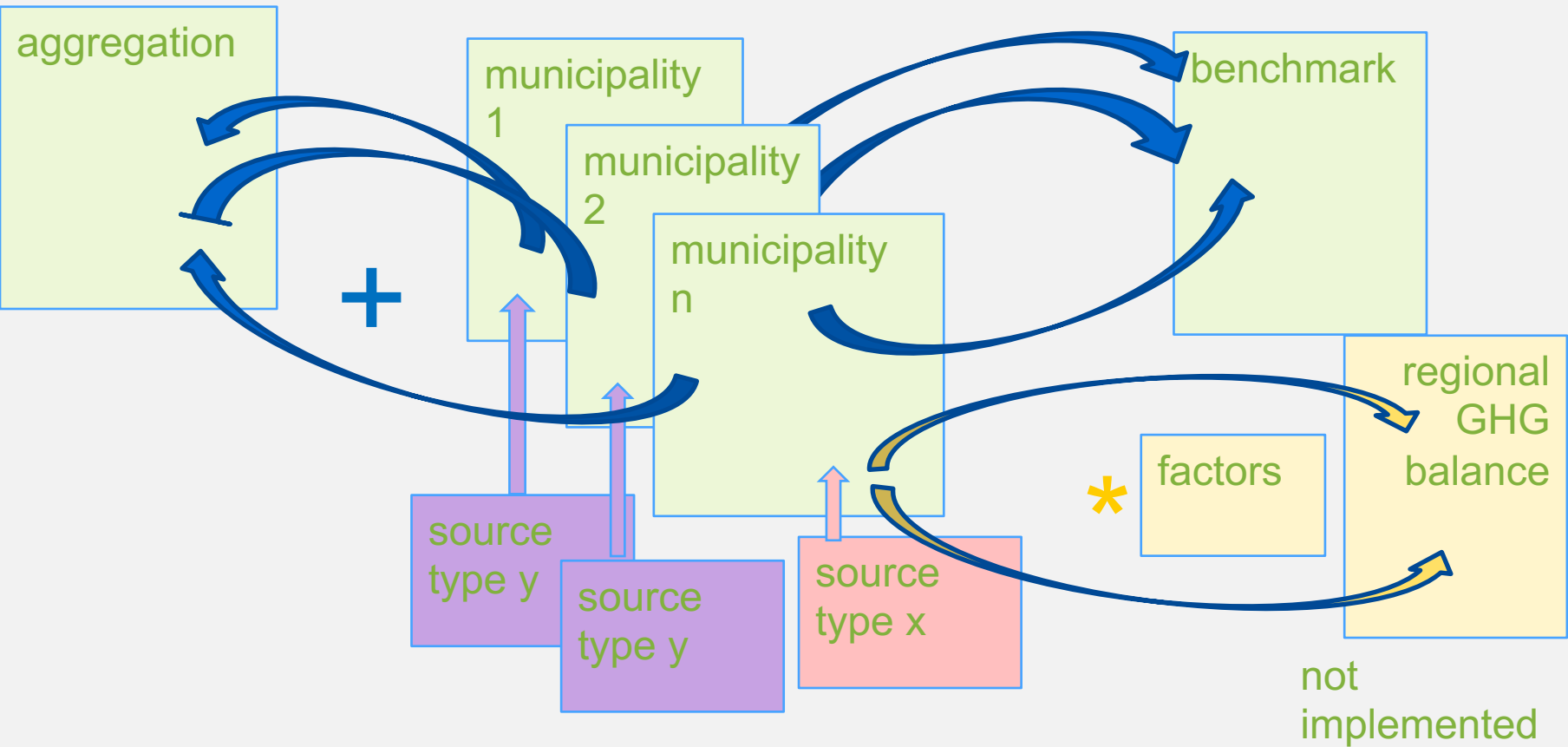
IMEAS Silos

IMEAS main output

Platform with around 20 Tools and Guidelines

- IMEAS Energy and Climate Data Inventory Tool

- Sustainable Mobility

- Stakeholder Participation

- Integrating EU energy policies in municipal energy planning

- Managing energy and climate data

- Setting up a baseline emissions inventory

- ...

IMEAS Energy and Climate Inventory

IMEAS Energy and Climate Inventory

B.A.U.M.

Purpose of the tool

- Low level means to collect and display energy consumption and production data per municipality

- Possibility to aggregate data on next higher governance level (independent of starting level and country organization)

- Benchmarking among all listed municipalities

- Easy to use (with self explanatory user interface)

- Adaptable and upgradable since realized in EXCEL

- Interface planned to IMEAS Software Tools

IMEAS Energy and Climate Inventory

An Example: District Berchtesgadener Land

Holistic approach for Energy Transition

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Standardized tools

Comprehensive stakeholder engagement

Integrated appraoches

cooperation

Harmonization across governance levels

Dialogue among silos

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