



MINISTERIUM
FÜR EIN
LEBENSWERTES
ÖSTERREICH

bmlfuw.gv.at

RELEVANCE OF RESOURCE DATA FOR AUSTRIAN ENVIRONMENTAL POLITICS

ANDREAS TSCHULIK

MINISTRY OF ENVIRONMENT, AUSTRIA

RESOURCE CONFERENCE VIENNA 2016

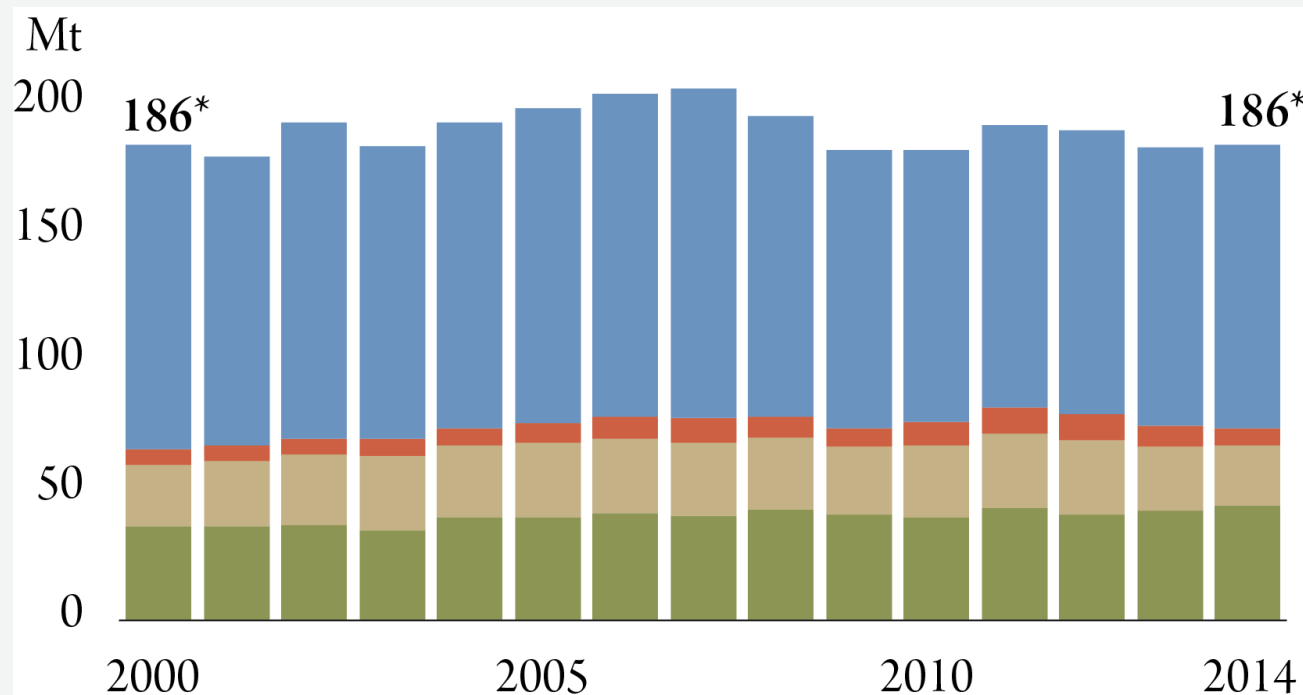
AGENDA

- RESOURCE DATA FOR ENVIRONMENTAL POLITICS

- RESET2020 – STRATEGY
 - RESOURCE EFFICIENCY - ENTERPRISES
 - RESOURCE EFFICIENCY - MUNICIPALITIES



DMC – HEADLINE INDICATOR FOR RESOURCE USE, DMC IN AUSTRIA, 2014 186 M/T SAME LEVEL AS 2000



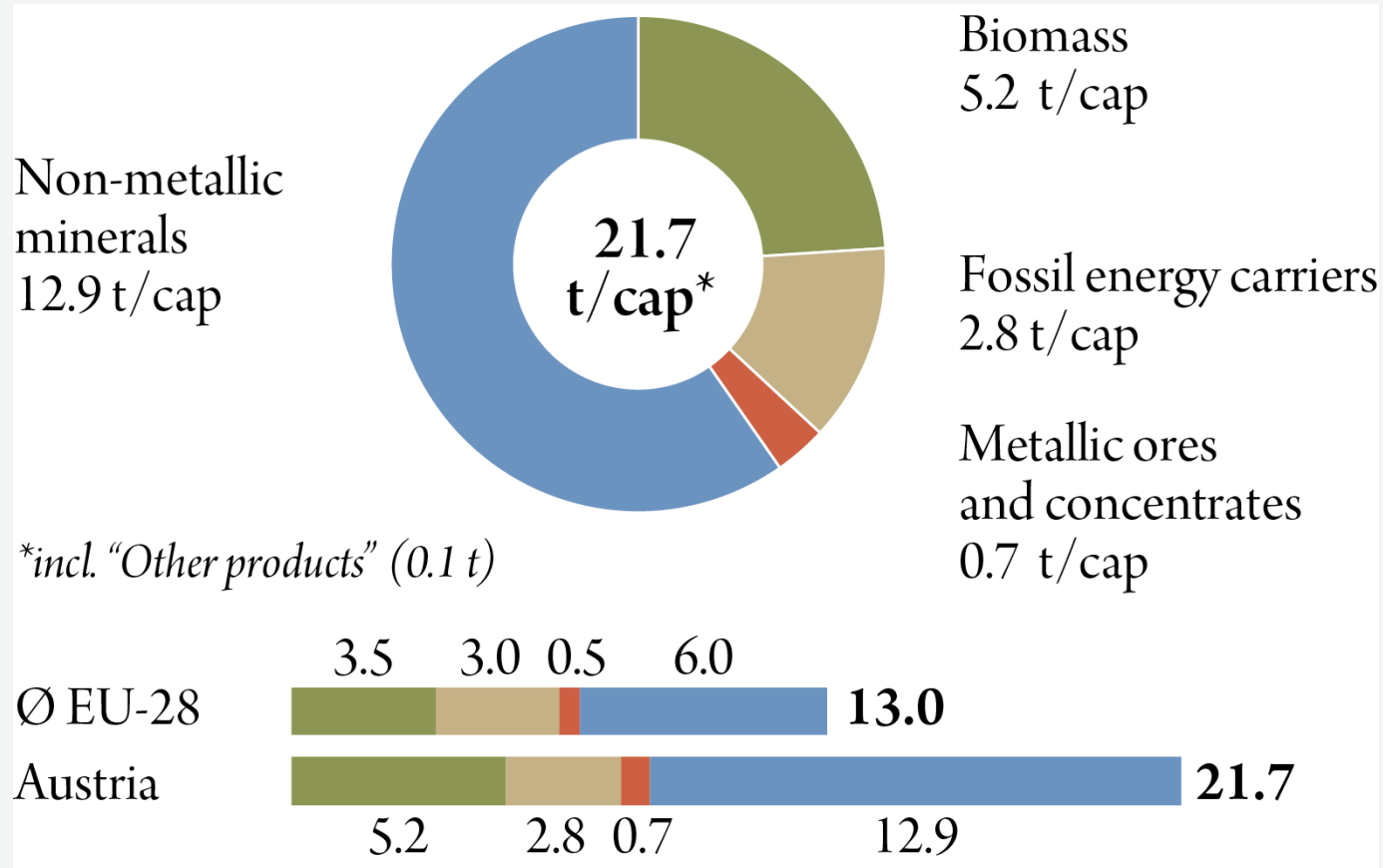
* including "Other products":

Products, which cannot be assigned to one of the material categories.

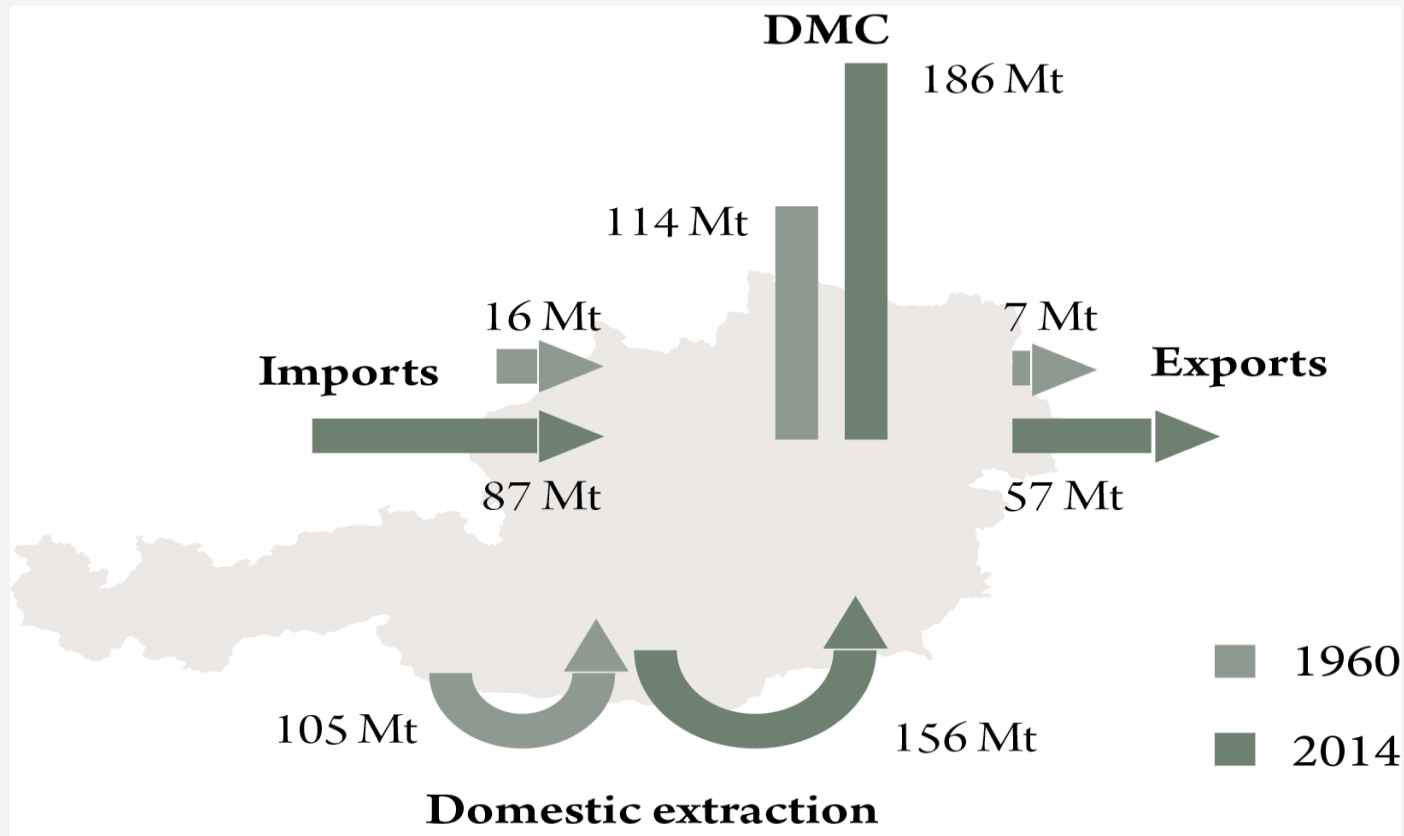
- Non-metallic minerals, processed and unprocessed
- Metallic ores and concentrates, processed and unprocessed
- Fossil energy carriers, processed and unprocessed
- Biomass and products from biomass

DMC PER CAPITA 2014

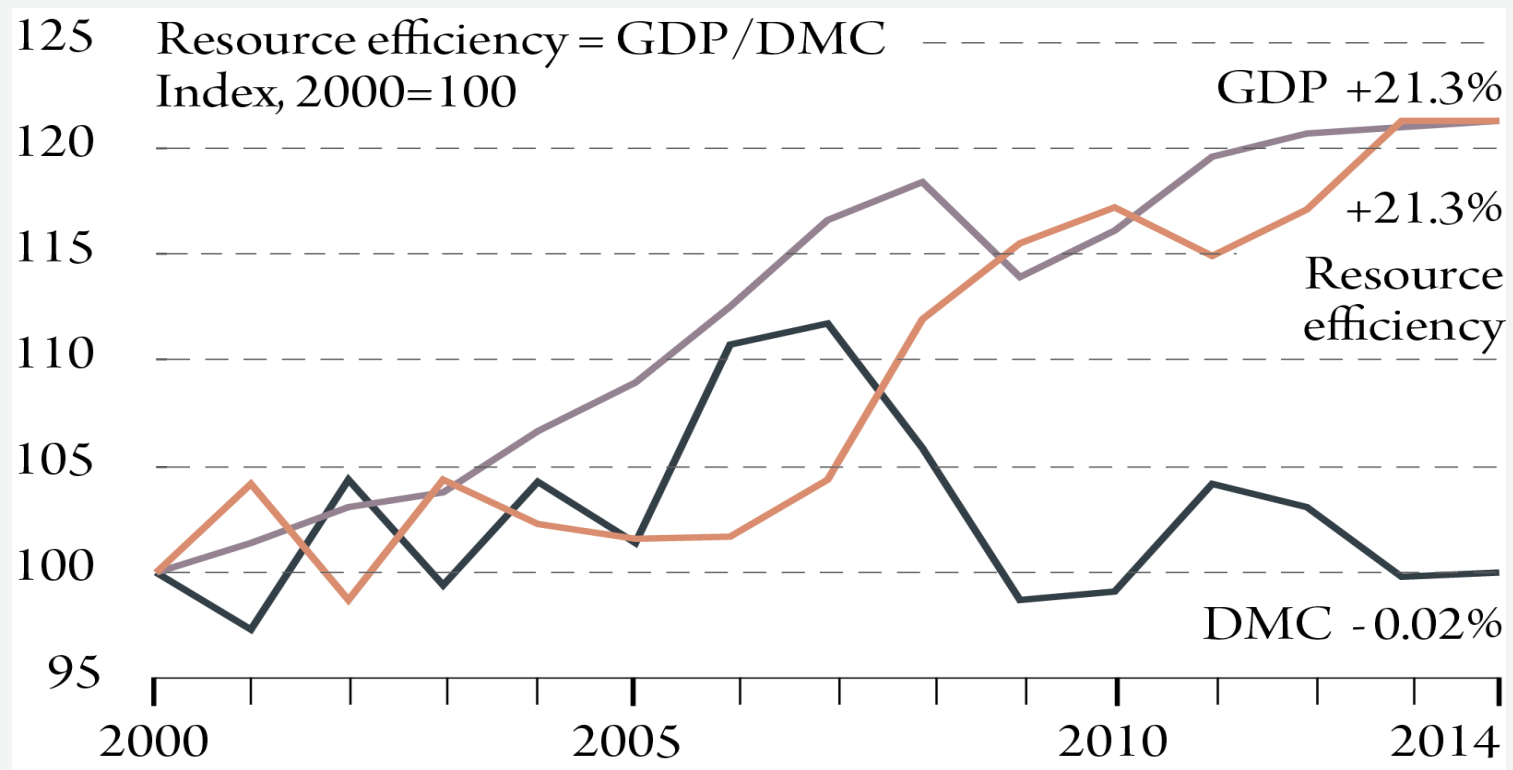
AUSTRIA - EU



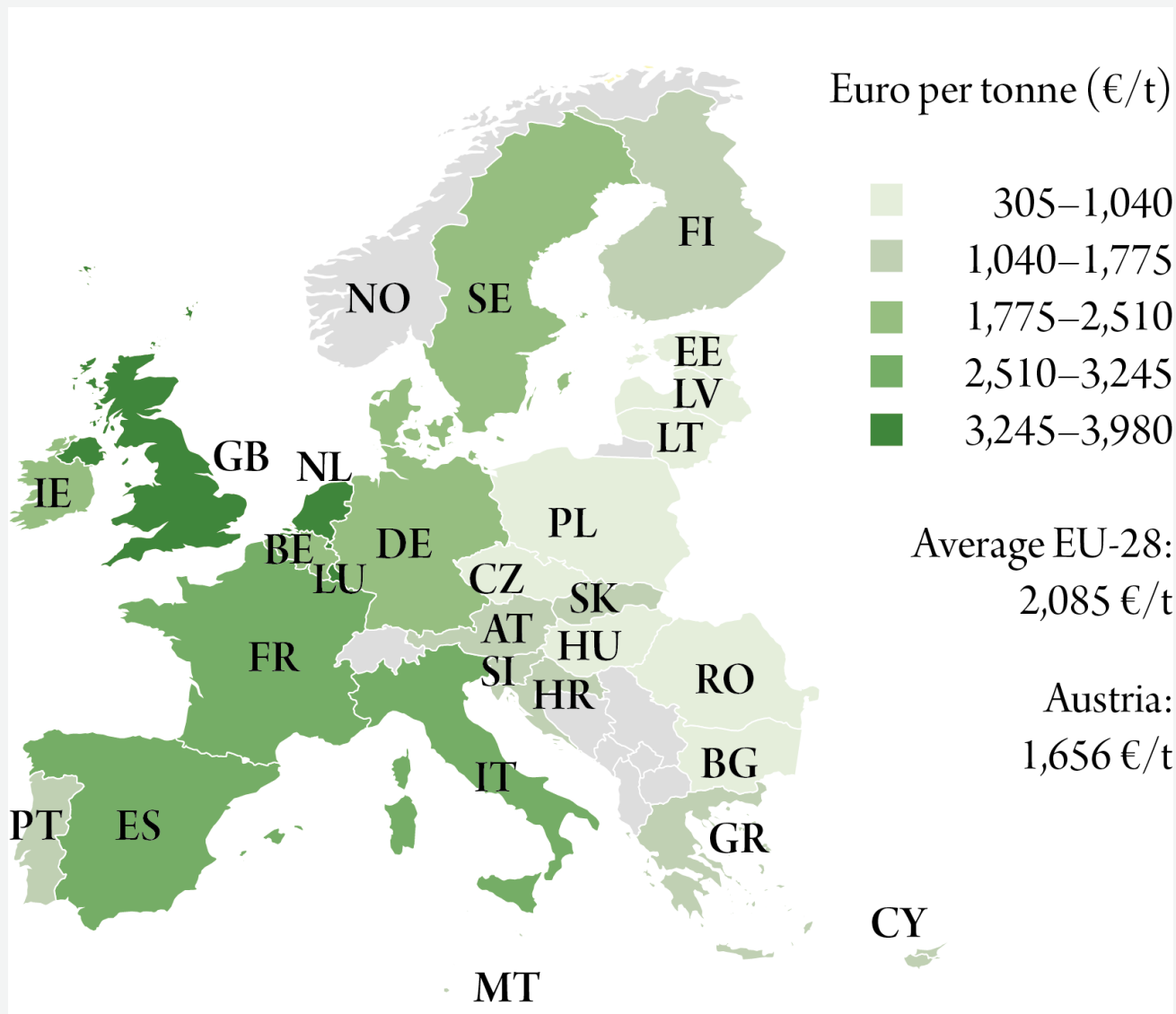
DOMESTIC EXTRACTION, IMPORTS, EXPORTS DOMESTIC MATERIAL CONSUMPTION 1960 AND 2014



ECONOMIC GROWTH MATERIAL CONSUMPTION RESOURCE EFFICIENCY



RESOURCE EFFICIENCY EU-28, 2014



RESOURCE EFFICIENCY - ENTERPRISES

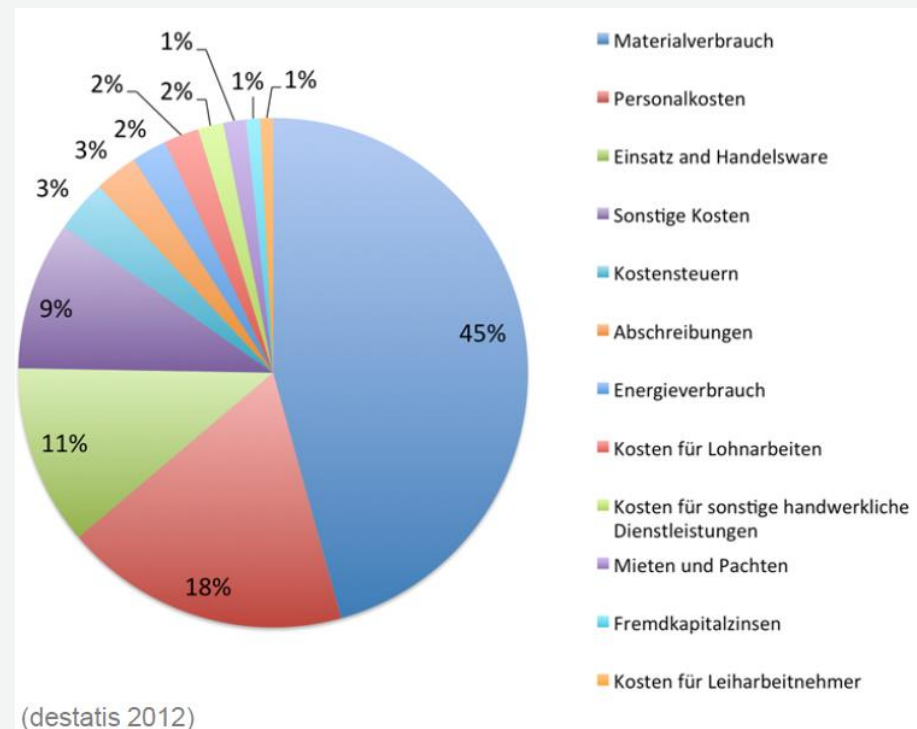


Production of material goods Austria:

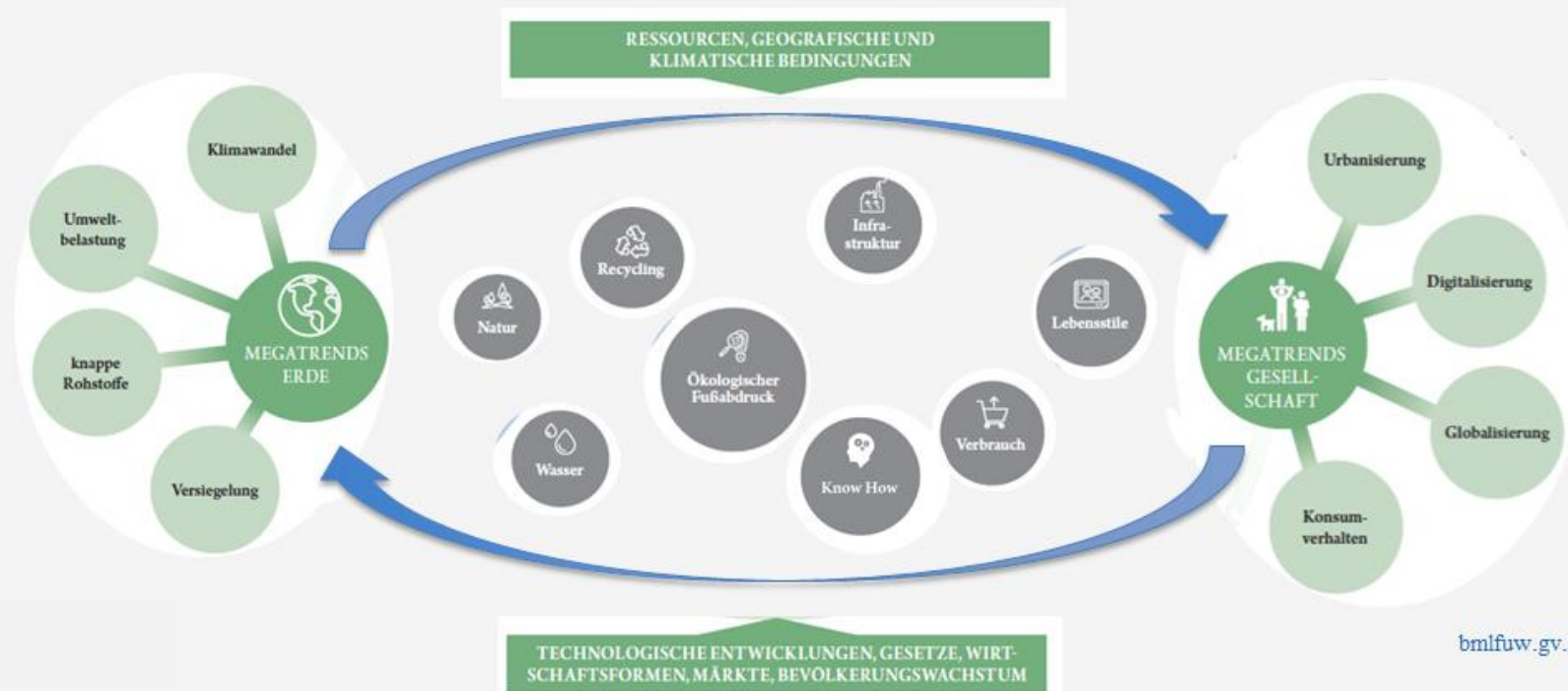
- **Material cost:** >40%
- **Enterprises:** 63,000
- **Employees:** approx. 1 million
- **Turnover:** approx. 260 billion €/year

Challenge enterprises:

- Finding cost-efficient **optimization strategies** to enhance material productivity



RESET2020 – STRATEGY FOR RESOURCES.EFFICIENCY.TECHNOLOGIES



Bildnachweise: Icons von Freepie via FlatIcon

RESET2020 - STANDS FOR ...

- the **implementation** of EU - national policies & programs, such as Circular Economy Package, Green Action Plan for SMEs, 7th Environmental Action Plan, Resource Efficiency Action Plan (REAP)
- the **promotion** of the policy field of resource efficiency, technology & circular economy at the BMLFUW
- **environmental protection and sparing use of resources**, optimization of material resources, product design, cascade systems, reuse ...
- a strong **position of Austria** as regards questions of efficiency, digitalisation, technologies & services, production & consumption
- ensuring **living and business areas** that are fit for the future
- **impetuses** to exchange, networking & cooperation

RESOURCE EFFICIENCY CHALLENGE ENTERPRISES – HOW TO MANAGE?

■ Why resource efficiency?

- Strategy to reduce production costs, gain cost advantages & competitive benefits, develop new markets & export opportunities
- Innovation driver > innovation dynamics
- Creation / Safeguarding of jobs
- Contribution to environmental protection & sparing use of resources

■ Which levers?

- Management: Business Strategy / Environmental Management System
- Design of products & services: Sustainable, circular
- Substitution: Renewable resources / new materials
- Cascade systems / Supply Chain
- Innovative technologies & services / Business models / Digitalization
- Circular economy cooperation: Regional \leftrightarrow Global



ADVISORY PROGRAM FOR RESOURCE-EFFICIENT PRODUCTION

- **Development of material efficiency module**
 - Analysis of potential, quick check, intensive counselling
- **Establishment of consultant pools & quality assurance**
 - Development of consultant pools, further training, e-learning
- **Financial advice for the implementation**
 - Funding opportunities, check of private funding concepts
- **Extension of alternative business models**
 - Chemical leasing, contracting models for raw materials
- **Networking, information & communication**



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REGIONALPROGRAMME
FÖRDERUNGEN FÜR UMWELT- UND ENERGIEBERATUNGEN

RESOURCE EFFICIENCY MUNICIPALITIES: HOW WILL WE LIVE & WORK IN THE FUTURE?

RESET
2020
Aktivitäten

- **Why resource efficiency?**
 - Diversity of tasks
 - Cost pressure, tight budgets
 - Inefficient resource use
 - Shift of resources policy towards a circular economy
 - Resource data system & monitoring
 - Use of local resources!

- **Pilot project: Resource-efficient municipality**
 - Awareness raising
 - Catalogue of measures for sparing use of resources
 - Picture book of the opportunities
 - Online self-check - resource efficiency potentials
 - Information & consulting tools
 - Learning - From – One Another



Österreichischer
Gemeindebund

Ressourcen Forum
Austria

THANK YOU FOR YOUR ATTENTION!

More information:



<https://www.bmlfuw.gv.at/umwelt/nachhaltigkeit/ressourceneffizienz.html>



https://www.bmlfuw.gv.at/umwelt/nachhaltigkeit/ressourceneffizienz/ressourcen_aktivitaeten.html

Data and trends
In Austria

https://www.bmlfuw.gv.at/umwelt/nachhaltigkeit/ressourceneffizienz/ressourcennutzung_daten_trends.html