



Green Jobs with Re-Use

Matthias Neitsch, April 2016



Recycling does not question traditional consumption patterns.

Re-Use does!!!

recycling versus re-use....



recycling versus re-use....



recycling versus re-use....



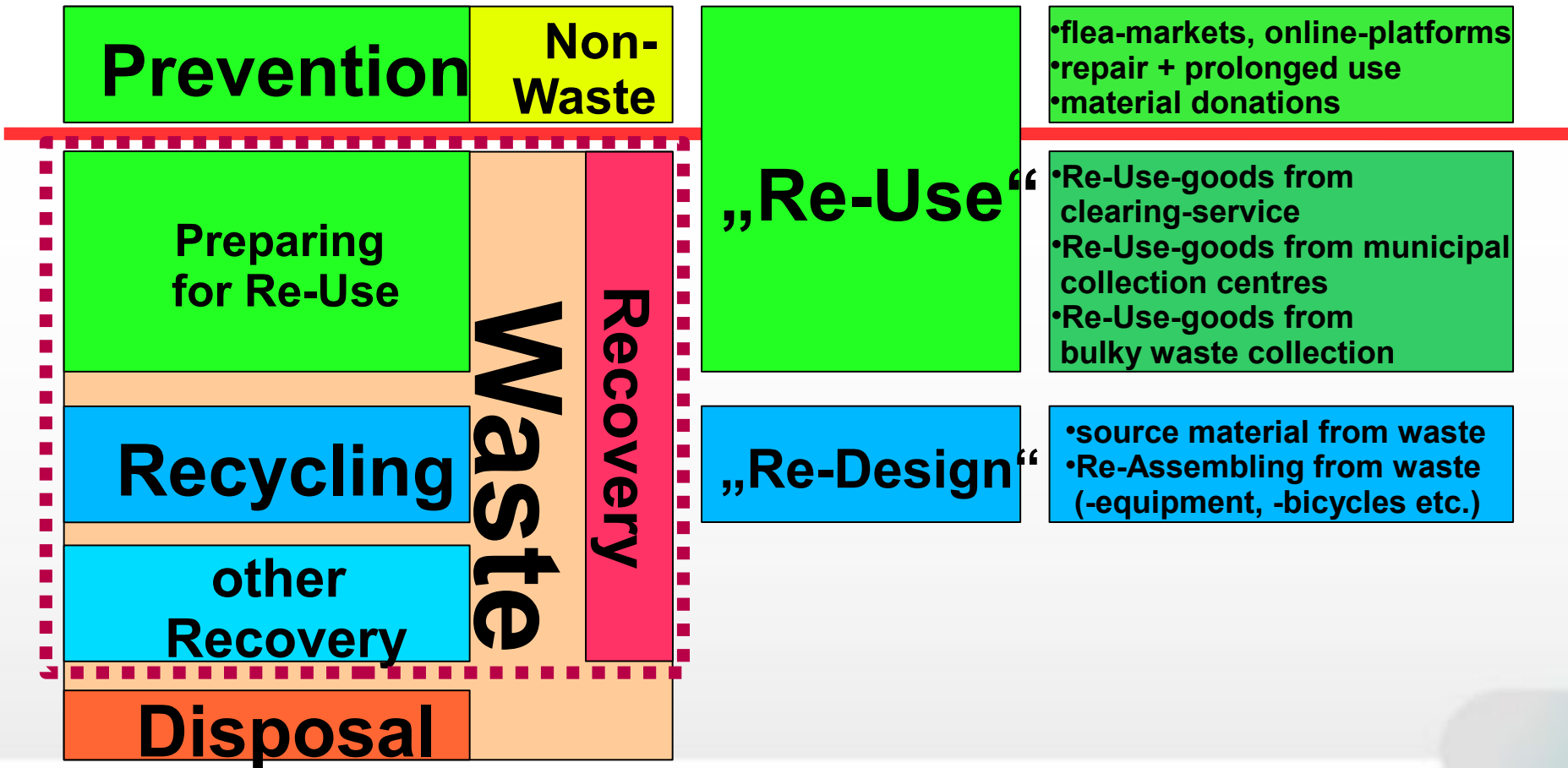
disposal versus re-use....





Legal Framework of Re-Use

Waste Hierarchy: EU-Waste Framework Directive 2008:





Currently there is **growing demand** for used, cheap quality goods, but **not enough supply**, because many potentially **re-usable goods are destroyed** in recycling or landfill.

It must be our goal to change this!

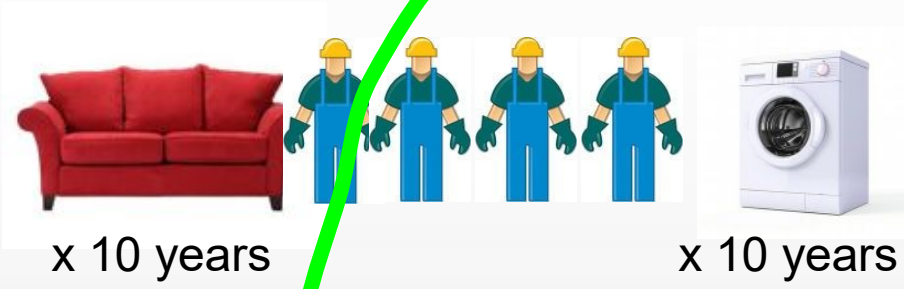
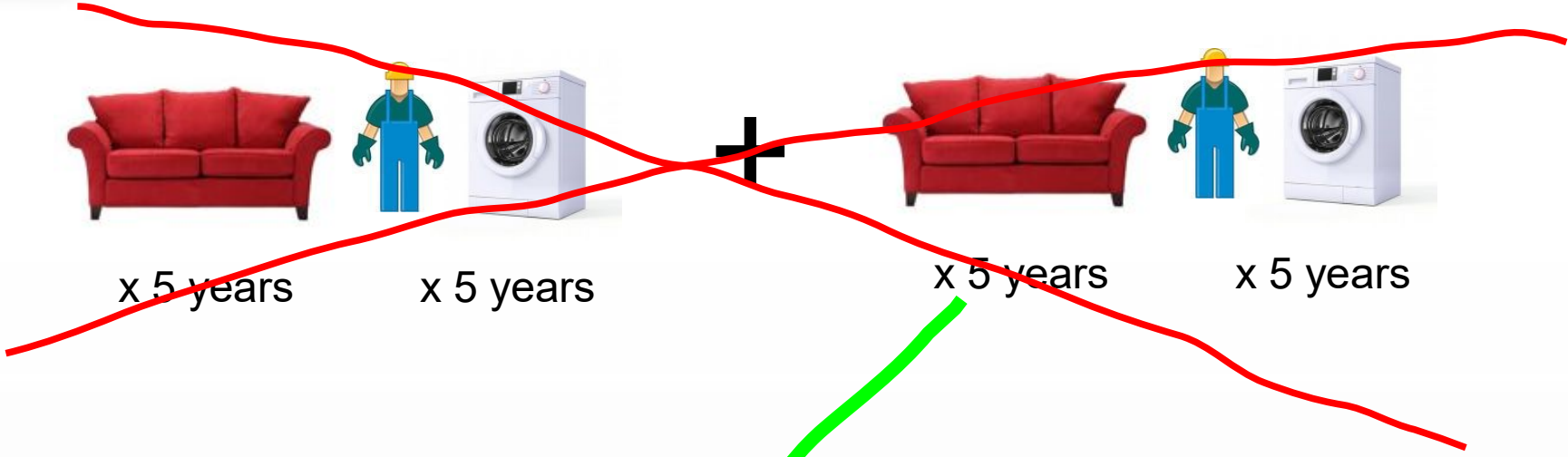
jobs per 10.000 t of municipal waste:

incineration:	1
landfill:	6
Recycling-value chain:	36
Re-Use-value chain:	300 - 800

**=> Re-Use is economically
feasible!**



Re-use: Saving resources creates jobs



Social re-use enterprises reduce
social costs & poverty.

They produce more regional benefit
than they receive subsidies.

**=> re-use is economically
feasible!**



Jobs durch Re-Use

150 new jobs in Austria by re-use of washing machines!



WEEE-re-use

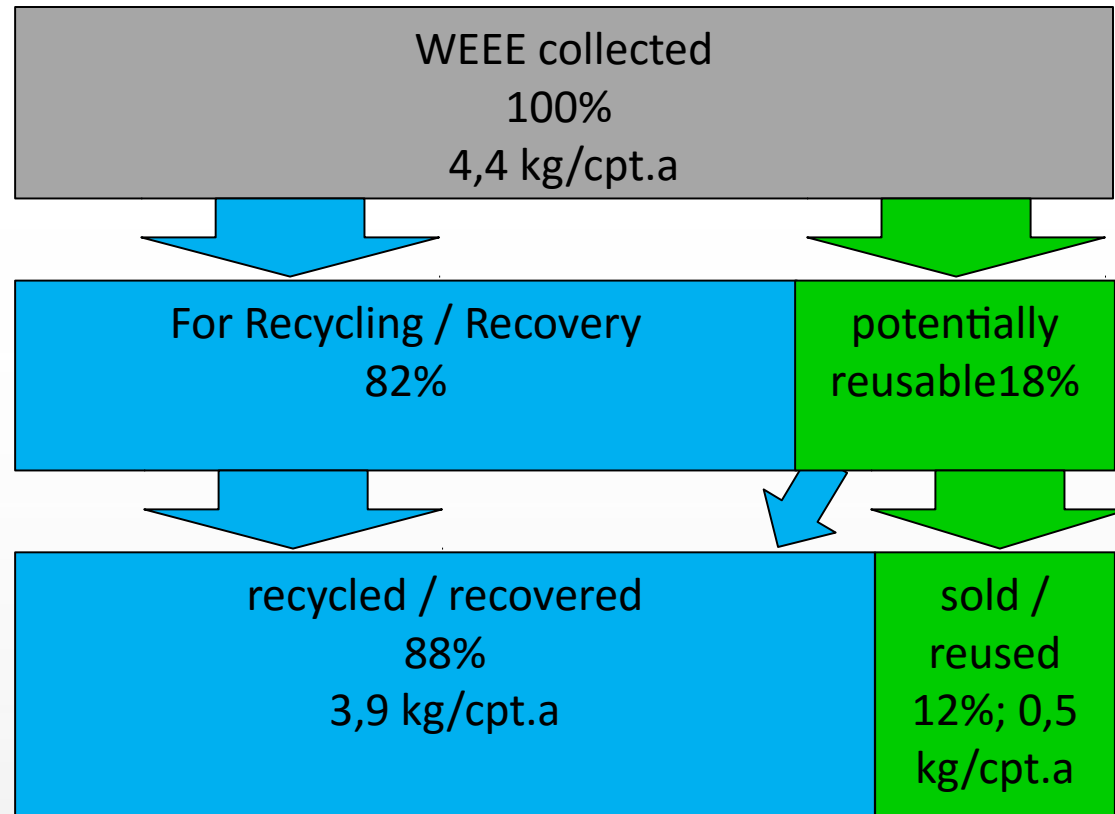




Mass Potential WEEE-Re-Use

Pilot action in municipal collection centre Nenzing, 2014:

- 1.580 kg WEEE collected
- separately as potentially reusable
- = 18% of total collected
- big & small appliances
- 1.040 kg or 118 pieces
- effectively sold
- = 65 mass% of WEEE
- collected separately as potentially reusable
- 58% of pieces of WEEE
- collected separately as potentially reusable
- 12% of total collected big & small appliances



Quelle: TB Hauer

Example: textile collection

Oldest re-use-collection: textiles

- **collection** textiles and shoes:
35.000 t/year:
ca. 4,3 Kg/capita
- percentage **sale in Austria** by
social economy:
ca. 5% of total collection
ca. 13% of social economy
collection
- percentage of **social economy**
collection of total collection:
ca. 35 – 40%
- **total Re-Use (inland and**
abroad) ca. 50% of total
collection

**Potential:
1400 Jobs!**



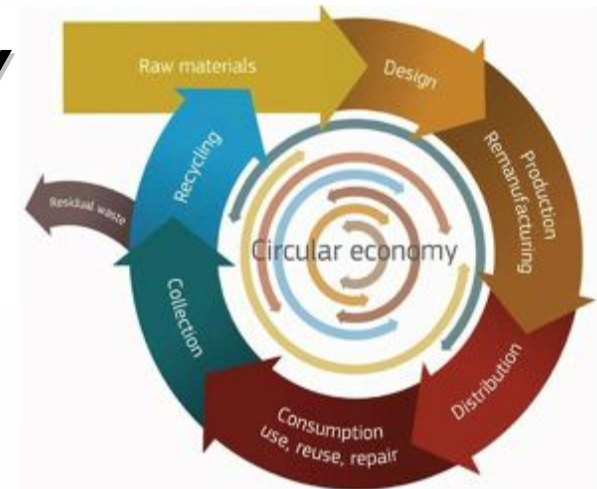
So far unrealized potential: demolition / construction

- **Re-Use Potential** ca. 5 - 80% of mass of building, depending on age and condition, total **ca. 10%**
- ca. 3 Mio t demolition waste / year in Austria
- => Re-Use-Potential at 10% = **300.000 t!**
- => **ca. 18.000 new Jobs**
- **60% CO2-reduction**
- **Good Practices** in D, CH, B, F, UK



Jobs through Circular Economy

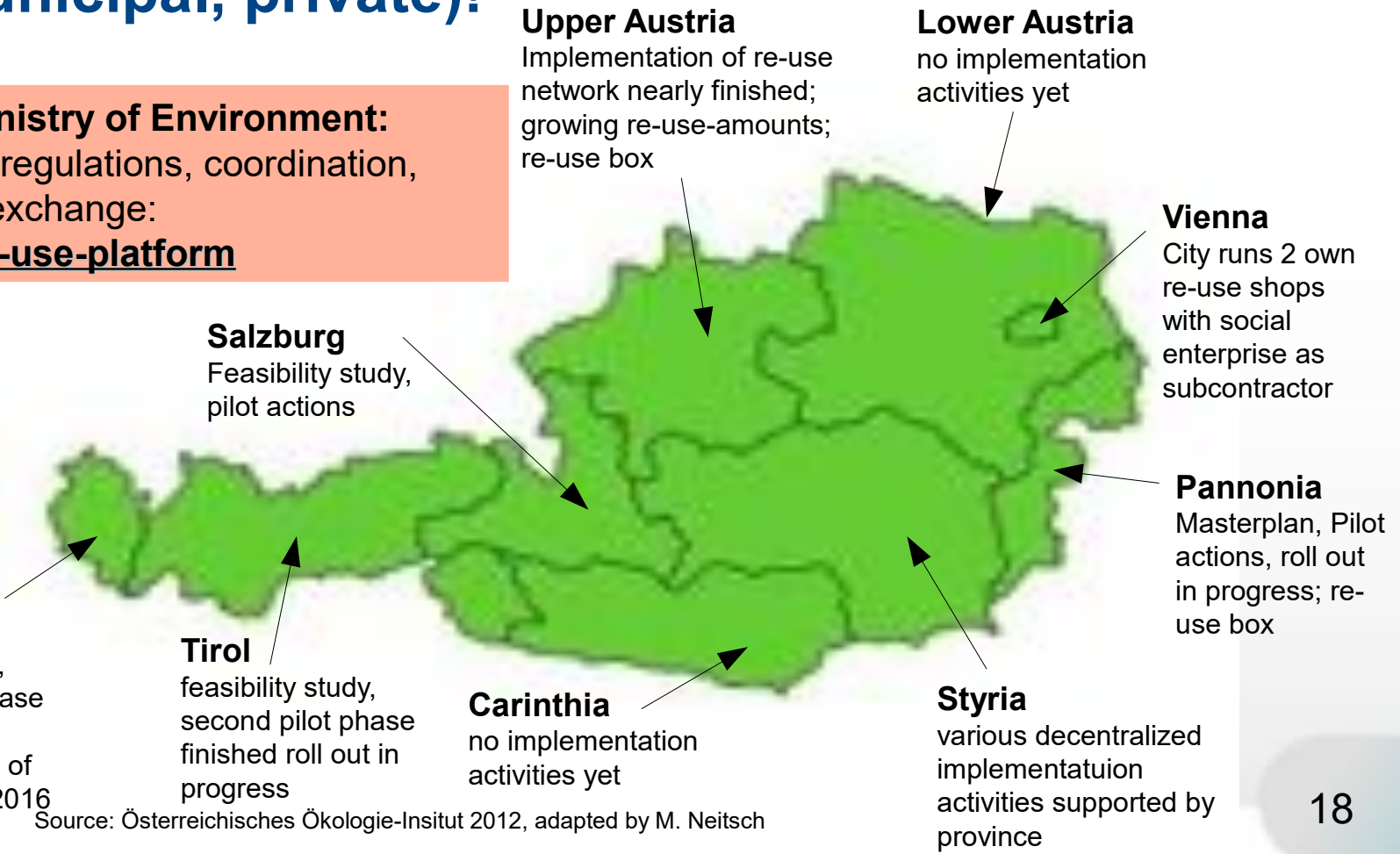
- Flanders: 1% of total municipal waste currently re-used,
78 Jobs per 1000 t Re-Use
- would mean for **Austria: 3.000 Jobs** – currently not realized!
- WRAP-Study 2015: Jobs in Circular Economy, Austria: currently **62.000**
(55% repair / secondhand; 27% waste / recycling; 18% loan services)
Scenario 1 (Status quo prolonged): plus 5.000
Scenario 2 (current trends prolonged): plus 25.000
Scenario 3 (ambitious): plus 55.000



regional (provincial) re-use - networks

More than **150 Organisations** involved (social, municipal, private)!

Federal Ministry of Environment:
 Standards, regulations, coordination, know how exchange:
national re-use-platform



Source: Österreichisches Ökologie-Insitut 2012, adapted by M. Neitsch

Upper Austria: quality label „ReVital“

- 85 collection points (of 185 municipal waste collection centres)
- 8 social re-use facilities
- 17 Re-Use-Shops in all districts
- 2014: 706 t sold (without textiles, without donations)
- 1,4 Mio inhabitants
- **240 jobs**



ReVital-Shop & Label





Regional Re-Use - Networks



Tyrol





Regional Re-Use - Networks



ReUse
Salzburg Stadt



Regional Re-Use - Networks

Styria





Re-Use - Shop

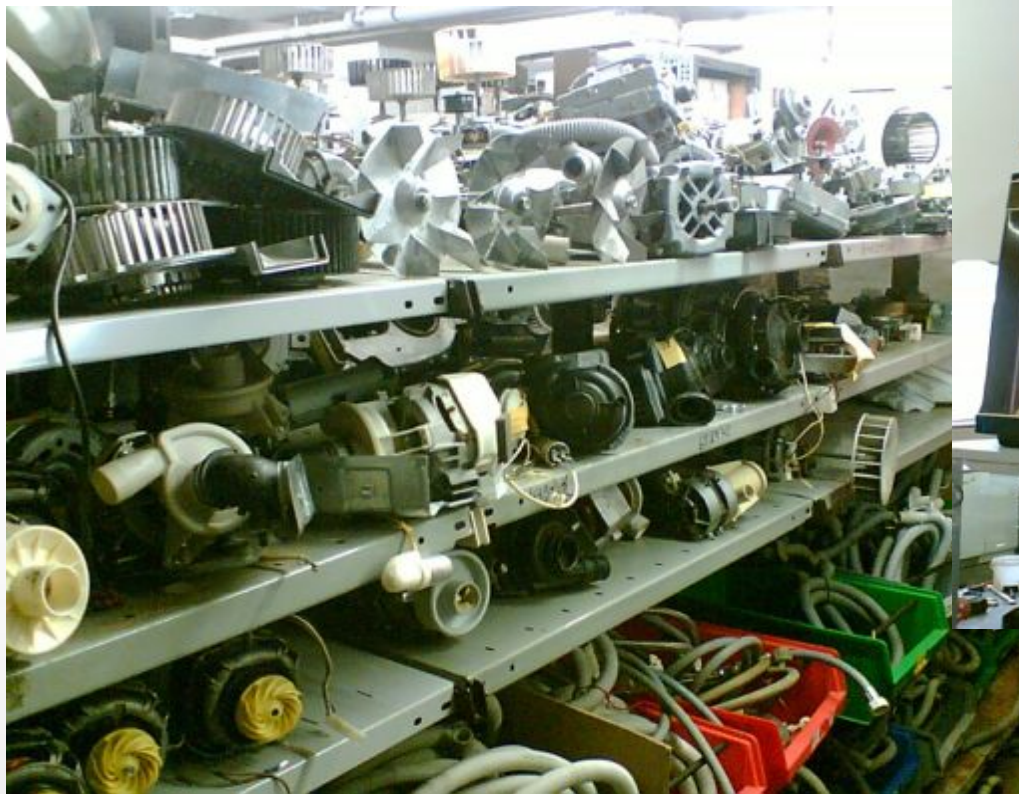


Upcycling Design





Good Practices





Furniture re-use partnership Styria



RepaNet: re-use needs a lobby!

- **special interest group of social re-use enterprises and repair networks in Austria**
- **currently 28 full members, 5 sustaining members**
- **working for better framework conditions for re-use**
- **promoting job creation for disadvantaged persons in the field of re-use**



RepaNet topics:

- re-use
- repair services, repair cafés, repair do-it-yourself-seminars
- recycling, up-cycling-design
- secondhand, used goods
- re-design, trash-design, upcycling
- WEEE
- textile collection, sorting, sales
- new: re-use in construction and demolition



Thank you for your attention!

RepaNet – Re-Use- and Repair Network Austria

Association for re-use, resource protection and employment in environmental services

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