



bündnis
mikroplastik
frei



Wie gelangen Kunststoffe in den Boden?

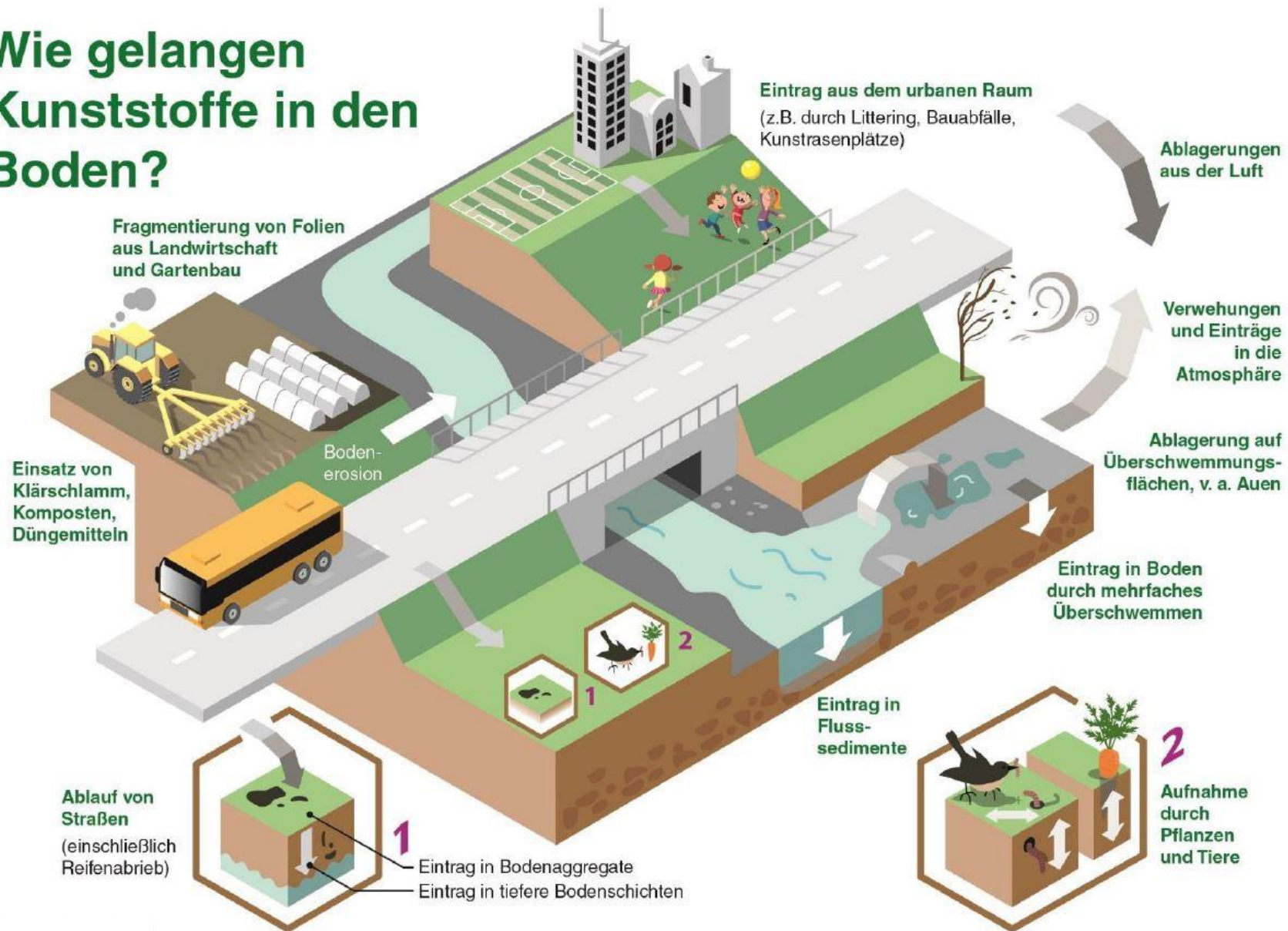


Abb. 1.: Umweltbundesamt 2020



Microplastic sources in numbers

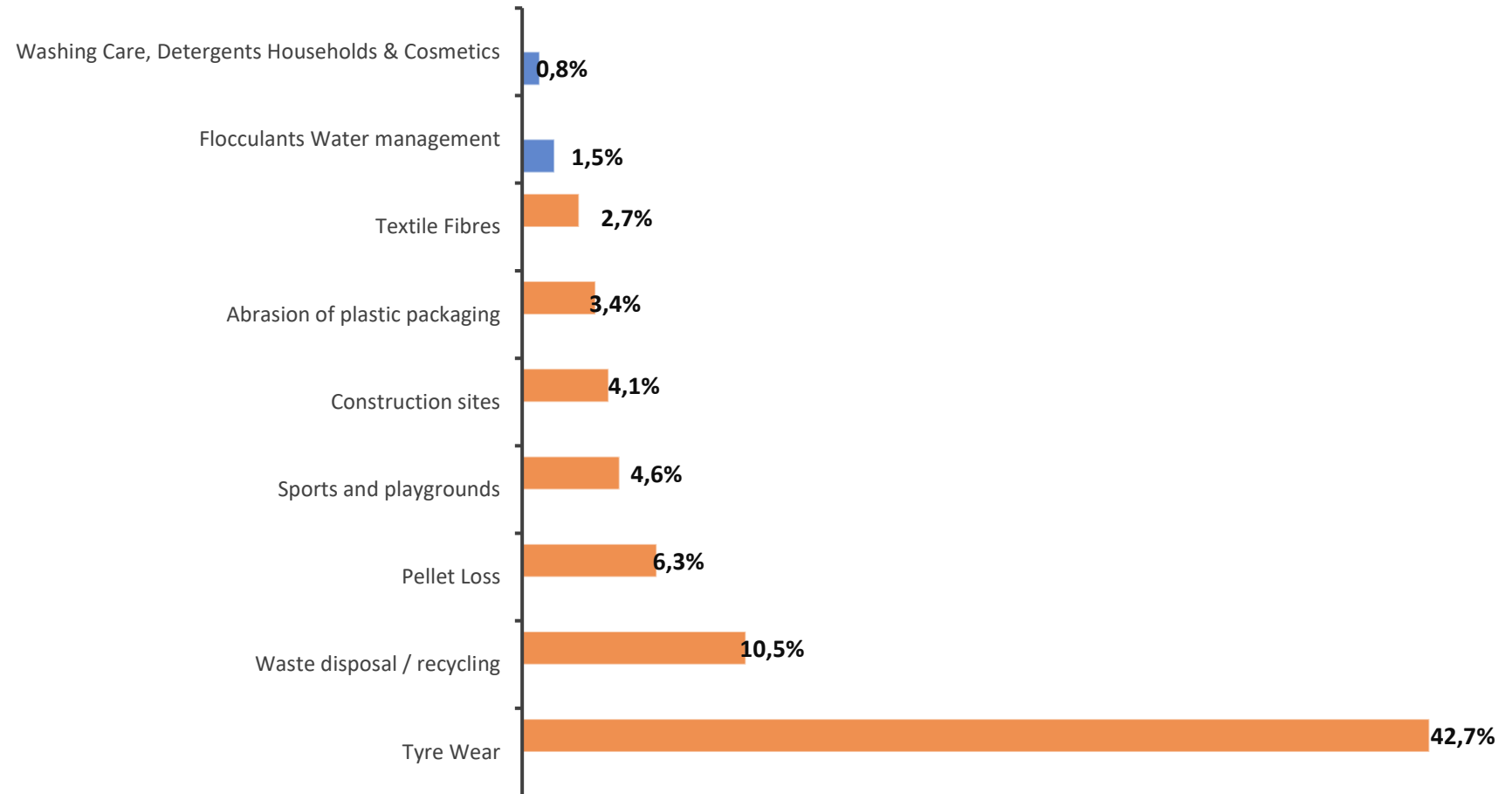


Abb. 2: Nach Fraunhofer UMSICHT 2018



Microplastics in the environment– Why is there an urgent need for action?

- **Unintended (!) releases are enormous**
Abrasion, aging, decay, washing (textile fibres),...
- **Valuable resources are lost**
The recovery of microplastics from the various environmental compartments is hardly possible
- **Long-term effects on soil organisms and the food chain are to be expected (ECHA 2020)**
 1. Plastics can act as carriers of toxic substances into deeper soil layers
 2. Additives in particular are the focus of current investigations
- **Measures are mandatory -> principle of caution**

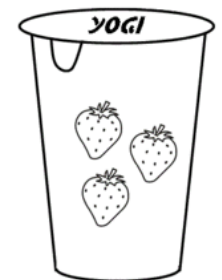


Biodegradable plastics from a microplastics perspective



compostable

- 300.000 tons of plastic packaging per year (AT)
High potential for reduction and substitution(degradable materials)
- Biodegradable according to EN 13432
In case of abrasion, losses and littering no long-term microplastic
- Composting \neq recycling for packaging
regulations for proper disposal and labeling are necessary
no references to compostability and biodegradability
- Collection & recycling of biodegradable plastics
Adaption of existing collection systems and recycling facilities for biodegradable plastics

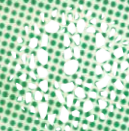




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Our aim

Reduction of microplastic emissions





Implementation Demands

- Reduce packaging: as little as possible as much as necessary
- Re-use instead of single-use
- Stop intended microplastic use in products
- Switch to biodegradable plastics according to the EN 13432 standard
- Establishing material recycling for biodegradable plastics



Focus of our work

1. Public relations & knowledge transfer
2. Bundling expertise within the partner-network
3. Show Best-Practices
4. Provide evidence to policy makers



The Ambassadors



Karl Ploberger



DariaDaria



Ines Fritz



Monika Langthaler



Michaela Reitterer



Roland Düringer





bündnis mikroplastik frei & SDGs



The UN 2030 Agenda for Sustainable Development





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Der Zukunft verpflichtet!
Committed to the future!

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