



Plantastic Discoveries



Plants  
for the Future  
European Technology Platform

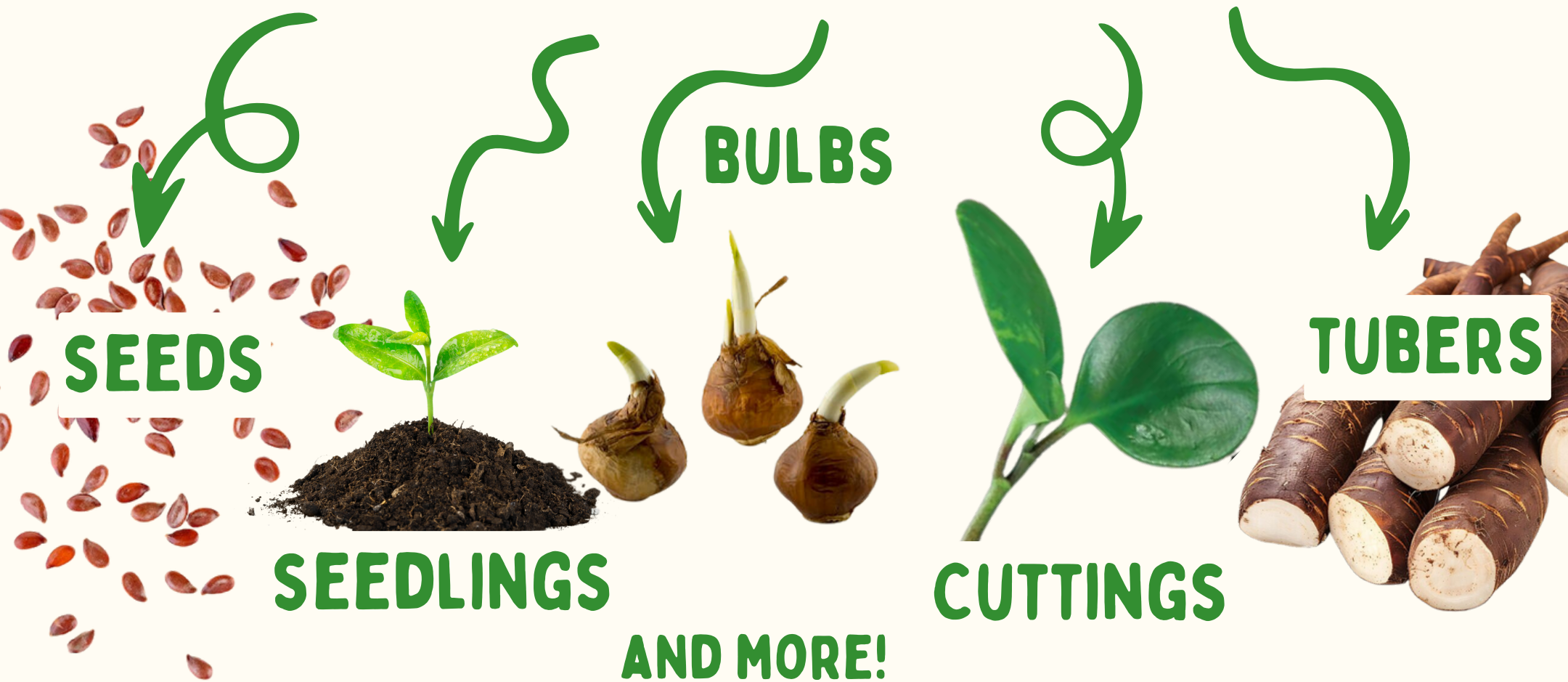
# WHAT IS PLANT REPRODUCTIVE MATERIAL?



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Plant reproductive material (PRM) is indeed material used for the reproduction of plants!

More specifically, PRM is any material of plant origin, such as



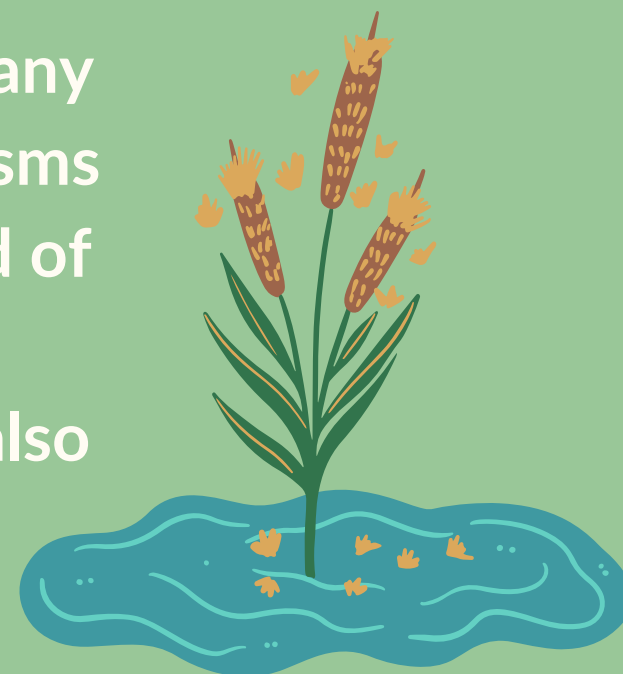
that is used for the propagation or reproduction of plants.

And...who uses PRM?

Well, plants themselves use it to reproduce - duh- and humans utilise it to propagate plants!

# NATURE

In nature, plants use PRM to reproduce. Many plants, for example, have evolved mechanisms to disperse their seeds, ensuring the spread of their species. Seeds may be dispersed by wind, water, or other means. Some plants also naturally produce shoots from their roots, which can develop into new plants.



# HUMANS

Humans utilize PRM for producing food and feed, as well as for horticulture and environmental conservation.

Farmers and gardeners rely on PRM to grow crops, enhance biodiversity, and maintain healthy ecosystems.

Researchers and breeders use PRM to develop new plant varieties, increase yields, and safeguard genetic diversity. PRM plays a crucial role in enhancing productivity, diversity, and the overall health and quality of agricultural, horticultural, and food production systems, as well as our environment.

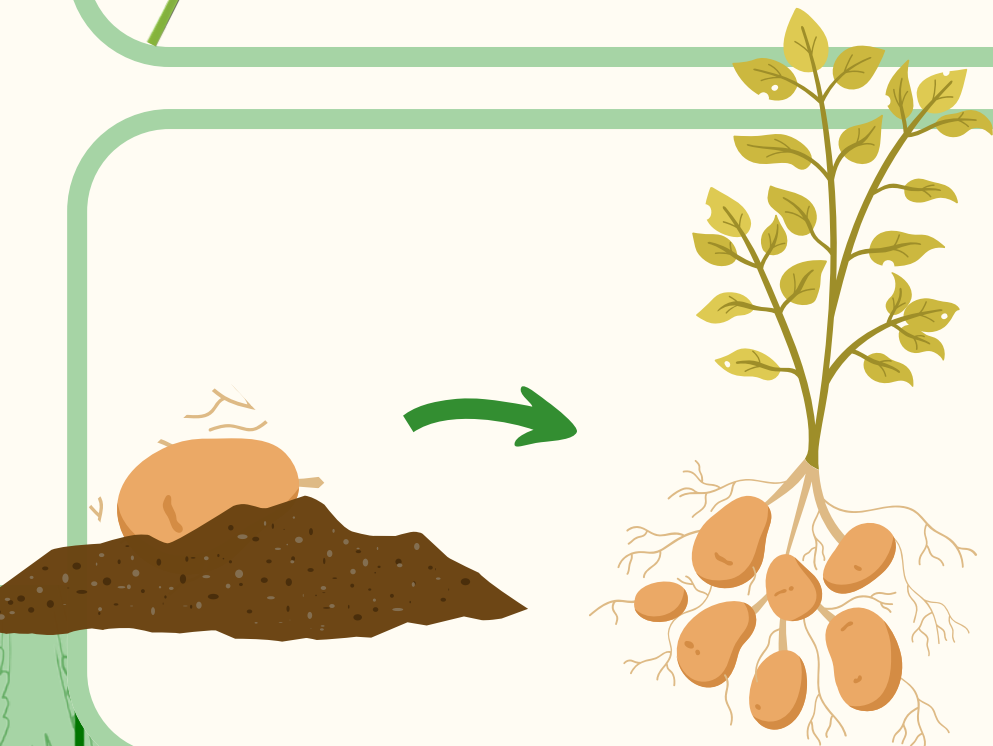



# PRM CAN LEAD TO GENETICALLY DIFFERENT OR IDENTICAL PLANTS TO THE PARENT PLANTS

When we plant seeds, we're sowing the result of one plant pollinating another. As these seeds grow, they give rise to new plants, often similar to the parent but with slight variations due to genetic mixing during pollination.



We can also propagate plants by taking cuttings or planting tubers. This method creates genetically identical plants, preserving the unique traits of the parent, like flavour and disease resistance.





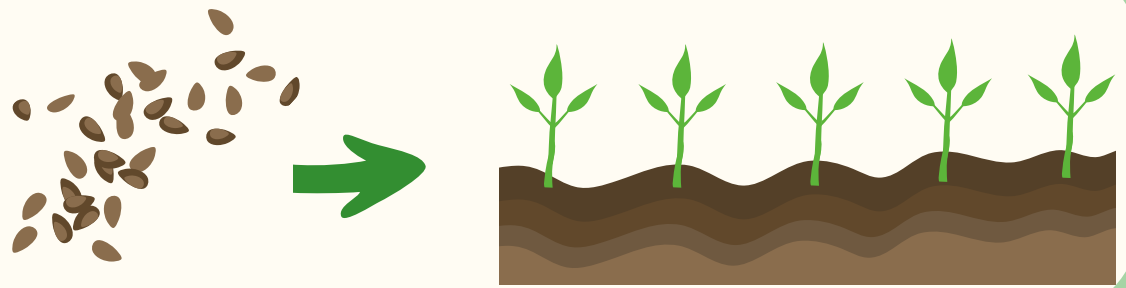
So, different types of PRM can be used for various purposes, depending on the desired outcome.

Whether it's planting seeds for **genetic diversity** or **propagating plants** through cuttings for preserving specific traits, PRM offers a versatile toolkit for farmers, gardeners, and researchers alike.

# PRM IS THE STARTING POINT OF OUR CROPS OUR FOOD!

Healthy and quality PRM is crucial for...

Ensuring a high germination rate, which means, that mostly all seeds develop into usable plants!



Creating vigorous plants that are better able to withstand environmental stresses.



Reducing the need for chemical inputs like pesticides and fertilisers.



Ensuring food security. The use of unhealthy PRM can make it harder to grow food reliably, exacerbating food insecurity.

Properly regulated PRM is crucial to...

Avoid environmental damage through the spread of invasive species, contamination of soil and water with agrochemicals and degradation of natural habitats.



So you see how it is important that we have proper regulations that make sure PRM is healthy and safe!



When we do, farmers, gardeners, and everyone who uses PRM can get safe and healthy options. Without good rules, and proper certification that assures PRM has passed the necessary quality and health checks there can be problems like less food, fewer plant types, and harm to the environment.



# ASK US

🌱 Got questions about plant science & breeding? We've got answers!  
Join Plant ETP's campaign to feed your curiosity! 🌿

Ask your questions here:

[tinyurl.com/bdzhepr9](https://tinyurl.com/bdzhepr9)



## LEARN MORE



[The future of EU farming depends on balanced and effective legislation on Plant Reproductive material - Euroseeds](#)

[Plant reproductive material - Briefing EU Legislation in Progress](#)

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