

# Genetically Modified Crops (GM Crops)

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## **Measuring the degree of realization of the Right to Science**

five dimensions → index

1. access to benefits
2. opportunities to participate
3. scientific freedom
4. enabling environment
5. international cooperation

→ indicators

→ data

## Measuring the degree of realization of the Right to Science

five dimensions → index → indicators → data

1. **access to benefits** → **GM Crops**
2. opportunities to participate (**cultivation/import**)
3. **scientific freedom** → **GM Crops**
4. enabling environment (**research in labs/trials**)
5. international cooperation

**Research** on GMOs permitted in the **laboratories**

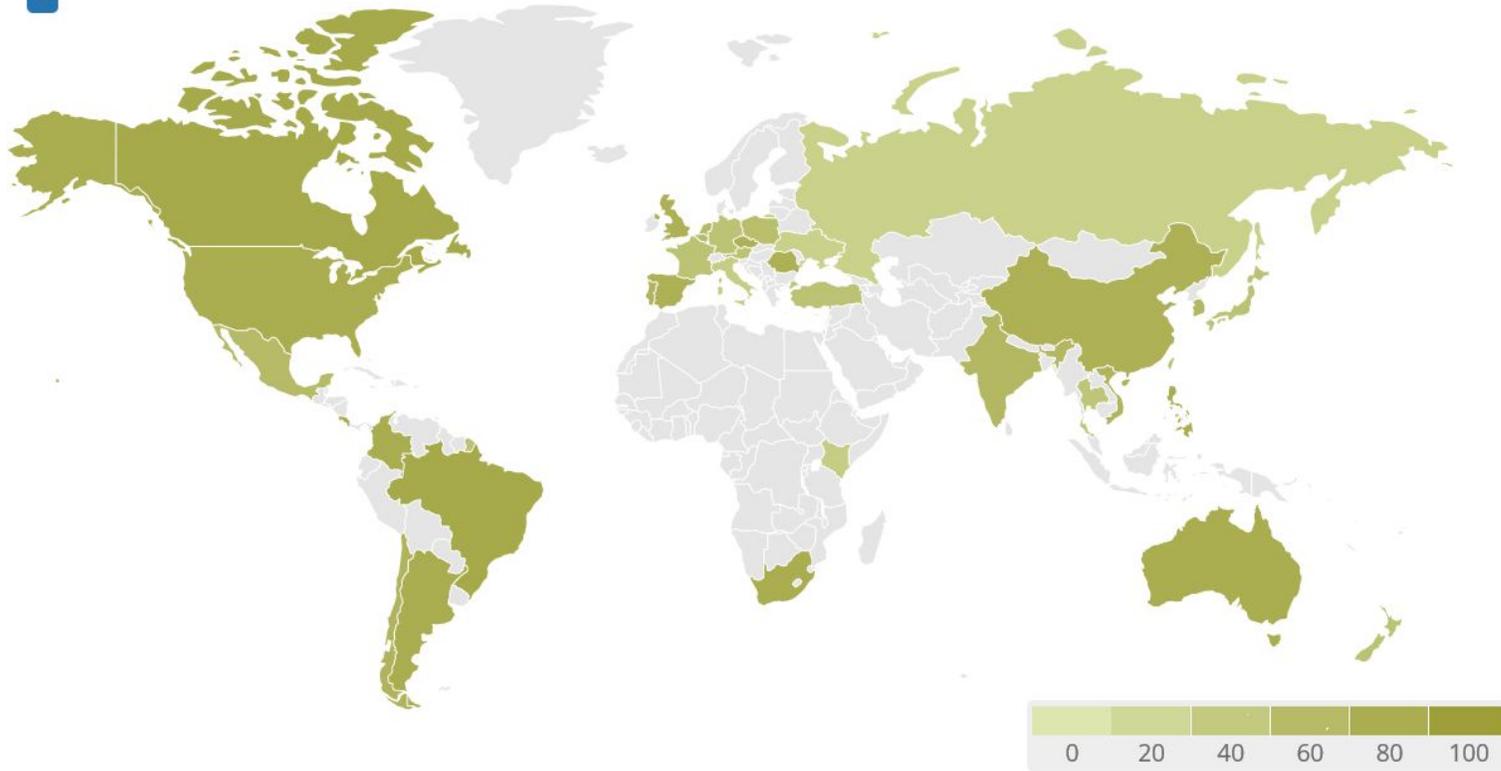
**GM crop field trials** (the limited release into the environment for research purposes)

**Cultivation** of GM crops (for commercial purposes) in open field

**Import** of GM crop commodities harvested in other countries



Is it permitted?  
Is a notification/authorization required?  
Frequent or infrequent?



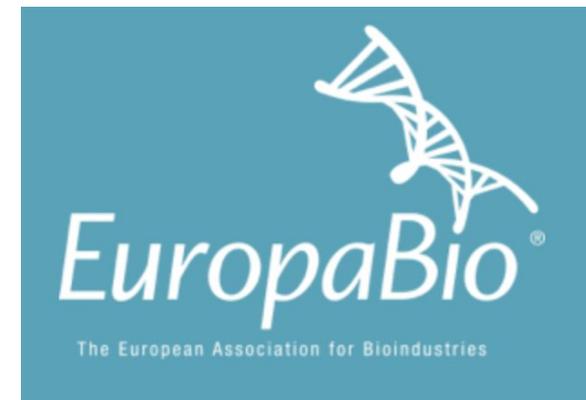
### top countries

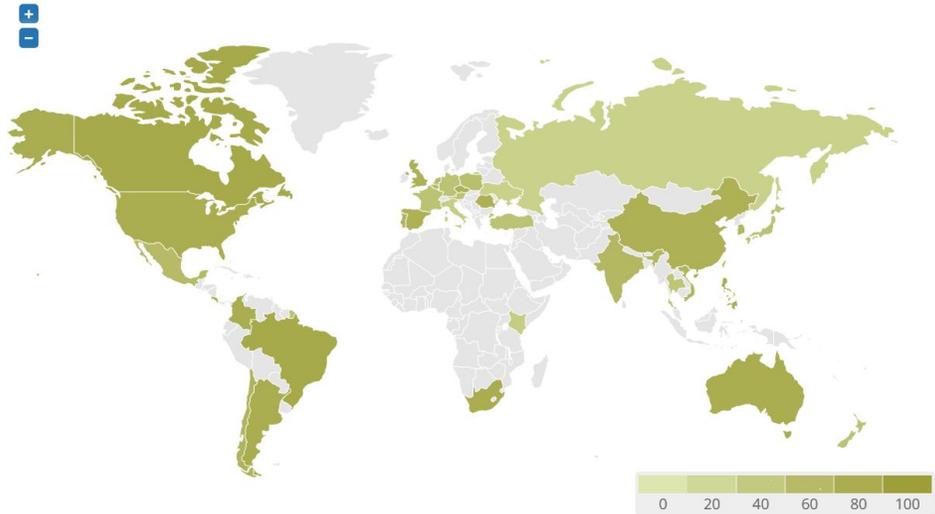
Brazil	85
Canada	85
Argentina	80
Australia	80
Colombia	80
Costa Rica	80
Philippines	80
South Africa	80
United States	80
China	75

### bottom countries

Austria	50
France	50
Germany	50
Japan	50
New Zealand	50
Taiwan	50
Turkey	50
Thailand	45
Italy	35
Kenya	35
Russia	30
Ukraine	30

<https://www.freedomofresearch.org/gm-crops/>





## message for today

- ✓ regulation of GM crops does not provide the blueprint for innovation in plant breeding
- ✓ the right to science provides a useful framework to promote innovation

scientific freedom

RtS = enabling environment  
access to benefits