

Open Source Seeds

Approaches to IP in Plant Biological Material

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AWD H. SITA:

Outline

- I. IP in plants
- II. The Open Source Model
- III. Evaluation

I. IP in plants - Overview



Patents (Art. 52 EPC)

- generic traits (e.g. dark green color)
- incorporating a new, inventive technical teaching
- that can be sufficiently described (e.g. by referring to underlying genetic information)
- Broad protection

Plant variety rights (Art. 5 CPVR)

- specific plant grouping
- with distinct, uniform and stable characteristics
- defined by their genotype
- Limited protection (reproduction and dissemination, cf. copyright law)

> exclusive right to access and use plant germplasm = Source Code

I. IP in plants



➢ Balancing of interests

Innovation incentive

Reward for the inventor/breeder

Plants are high technology products that are private-copying themselves

Access to significant innovation

Excessive rewards, patent thickets, blocking effects

Plants are natural products (common natural heritage of humankind)



II. The Open Source Model (Software)

securing free access and use of proprietary software = software that may be subject to copyright protection

➢GNU General Public Licence (Stallman, 1989)

- making available source code
- allowing for modification and re-distribution
- in conformity with OS principles ("copyleft")

generating ,protected commons' and enabling ,user innovation'

> assuring that patents cannot be used to render the programme non-free



II. The Open Source Model (Seeds)

securing free access and use of proprietary plant germplasm = plant germplasm that may be subject to plant variety protection

GNU GPL for Plant Germplasm (Michaels, 1999)

- material is being made available under open source conditions
- connected to the physical sale of seeds (MTA)

different approaches and initiatives (i.e. Agrecol OSS-License 2017) Copyleft; "substitute plant variety protection"

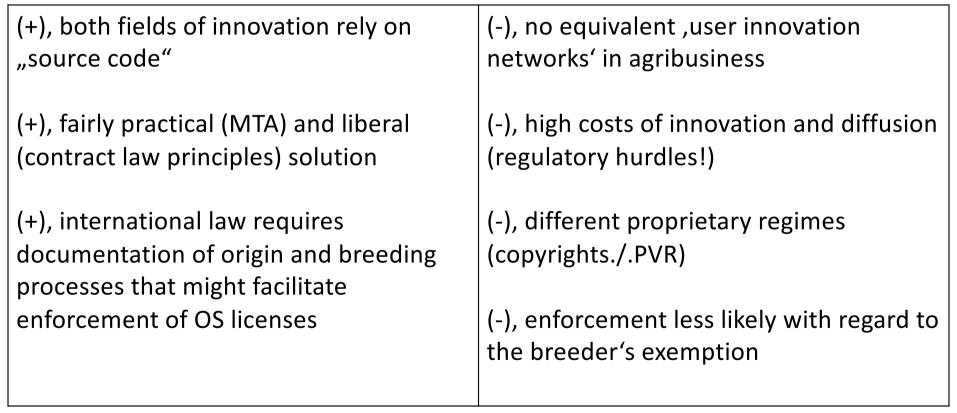
hinder patents by allowing for novelty destroying publication



III. Evaluation



Transferability of OS principles to the distribution of seeds	s?
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Thank you!

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