



Demonstration farms on integrated crop protection in Germany



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Location - Effort - Scale

- **Location:** all over Germany in important growing areas for selected crops (apple, wine, cereals, rape, field-vegetables, hop)
- **Effort:** ~ 10,3 Mio € (2011-2018)
- **Scale:** national

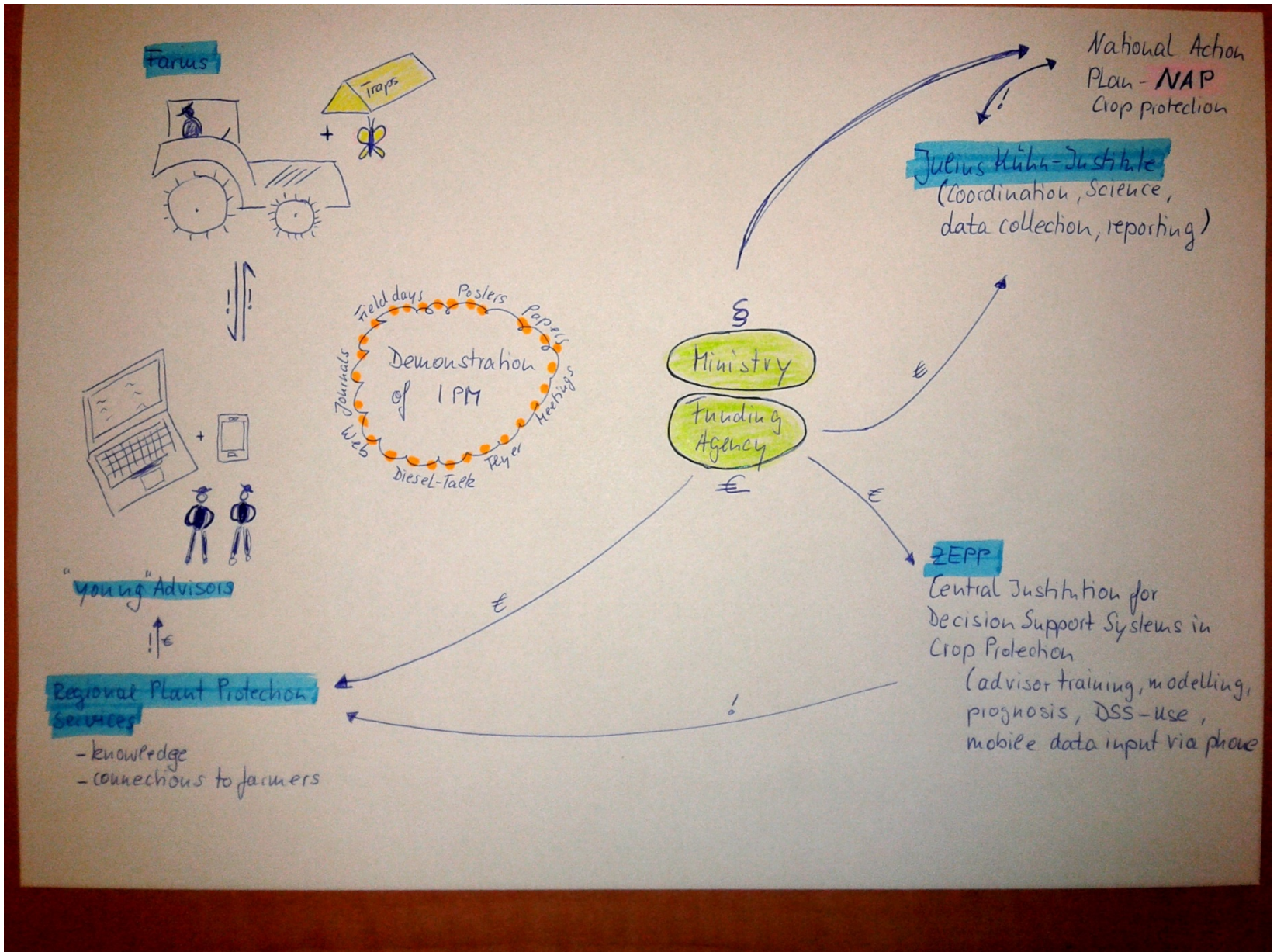
Why?

- important aspect of Germany's National Action Plan for sustainable use of plant protection agents/pesticides
- supports the national ratification of the directive 2009/128/EG, which asks for a common action frame for sustainable pesticide use in the European Union
- the model project is designed to fund expert advise for ~ 67 SME over a period of five harvest periods plus extension service

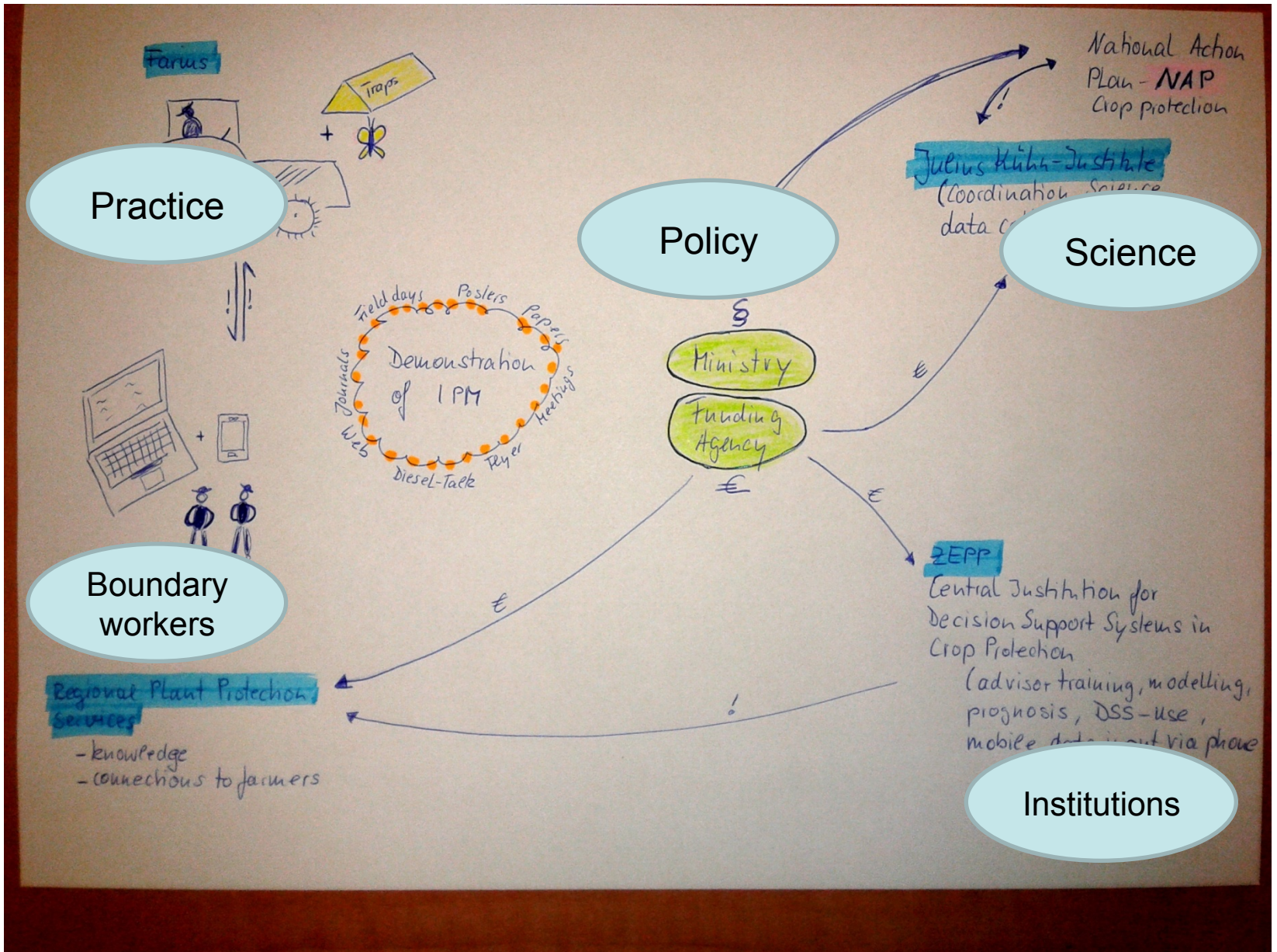
Goals

- **Demonstration** of IPM in various German regions using excellent extension service on IPM
- **Comparison** of important indicators, costs, yields, demonstration effect
- **Communication** of results for IPM guidelines and further implementation

Who is involved - Projekt structure in general



Stakeholder



Stakeholder involvement & motivation

- **Policy** (BMELV): Implementaion National Action Plan for sustainable use of plant protection agents/pesticides
- **Science** (JKI): Coordination; Federal research institute; spin-off for other task, i.e. network of reference farms; other related projects; student education
- **Institutions** (ZEPP): data mining; modelling; forecasting; student education

cont. **Stakeholder involvement & motivation**

- **Boundary workers** (fed. Plant Protection services & young advisors): advisor education; importance of fed. extension service system; relationship to farmers; farmer involvement;

BLE: dependent public-law institution; operates within the scope of business of the Federal Ministry of Food, Agriculture and Consumer Protection (BMELV); performance as a project-manager

cont. Stakeholder involvement & motivation

- **Practice** (Farms) with interest in:
 - IPM innovations
 - access to 1-o-1 extension service
 - networking
 - economic benefits



Methodology used

- Small grants to farms for additional work-load, use of special IPM methods and on-farm field days
- Grants for extension services to have special advisors
- Grants for institutions for related task: coordination, data collection & processing, advisor training, PR, prognosis

Key moments?

- still gaining momentum and sizeable interest
- more information → more farms
→ more interest
- why not joining the project - master question?
(reluctance!)



PROS	DIFFICULTIES
Large diversity of farms (location, crops)	Many participants, project costs, management effort
Inclusion of many factors: complexity & interactions	Data collection & handling
Longer evaluation & stakeholder involvement (5 years)	Foggy goal: what is excellent IPM? What is bad IPM?
Contact chain from policy to farm	How to measure & document? How to establish endurance of a model?





Résumé

- Idea of co-innovation
- Stakeholder groups have a tendency to separate
- A strong focuss-point (coordination) is constantly needed
- Funding scheme
- Self-runner?

<http://www.ble.de>

<http://demo-ips.jki.bund.de>