

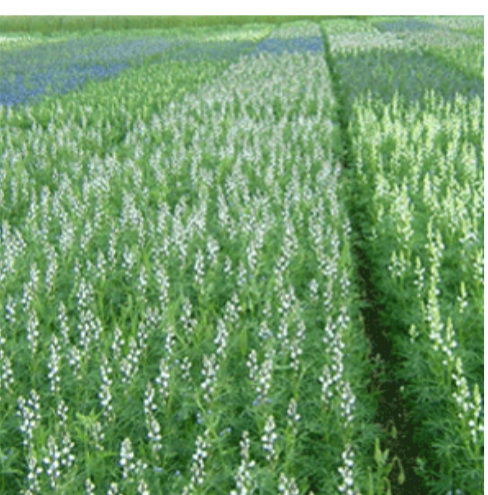
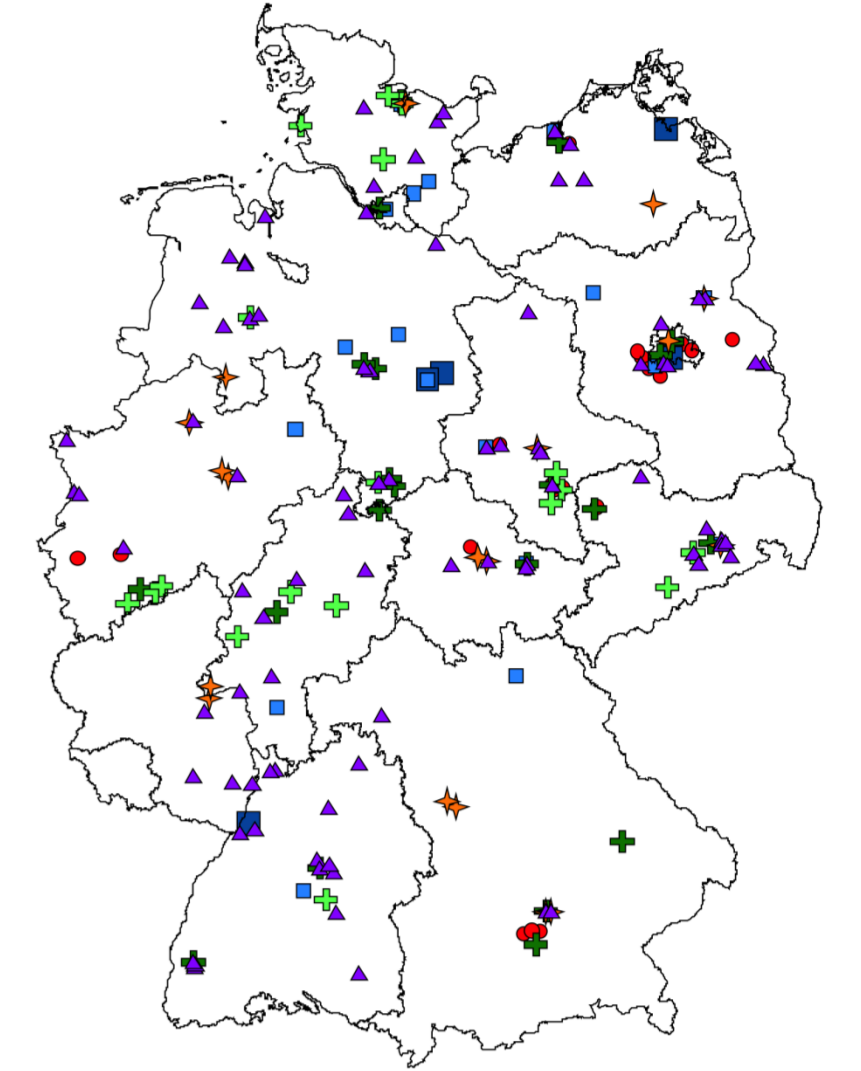


Science, economy and society — making ecosystem services from legumes competitive

A research strategy of the German Agricultural Research Alliance, DAFA

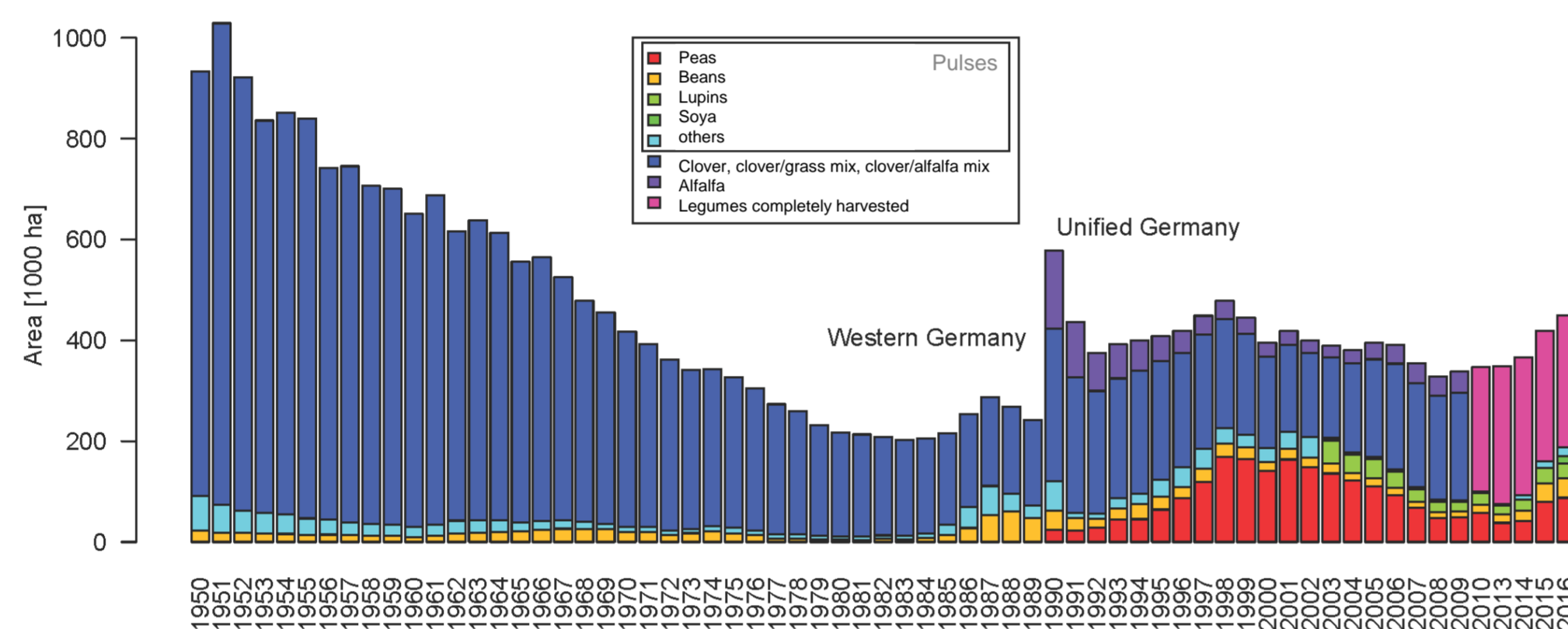
DAFA represents the publicly funded agricultural research institutes in Germany

- Joins forces to improve effectivity and efficiency of agricultural research
- Makes agriculture a **proactive player** in solving societal and environmental challenges
- Responds to **consumer demands and expectations**
- Responds to **new technological developments**
- Provides **information** about agricultural research in Germany



Legumes ⇒ Food & Feed & Soil fertility & Biodiversity & Pest suppression & C-Storage & Income

But:



⇒ *Research strategy*

- Coherence of research efforts is needed
- Breeding, field practices, regulations, valuation, processing and marketing must be addressed

Research areas identified in the DAFA strategy

<p>1. Sustainable healthy diets with emphasis on:</p> <ul style="list-style-type: none"> ■ nutritional and physiological effects of foods containing legume products; ■ quality and attractiveness of legume-containing foods. 	<p>4. Crop productivity with emphasis on:</p> <ul style="list-style-type: none"> ■ improving the genetic potential for yield and quality; ■ improving crop production.
<p>2. Sustainable protein sources for animal feeds with emphasis on:</p> <ul style="list-style-type: none"> ■ valuation of feed ingredients; ■ processing technologies to optimise value; ■ additional value chains. 	<p>5. Resource protection with emphasis on:</p> <ul style="list-style-type: none"> ■ soil and water; ■ biodiversity in agricultural landscapes; ■ climate change adaptation and mitigation.
<p>3. Non-food uses with emphasis on:</p> <ul style="list-style-type: none"> ■ optimising the use of land; ■ identifying potential raw material uses. 	<p>6. Socio-economic research with emphasis on:</p> <ul style="list-style-type: none"> ■ farming system cost-benefit assessments; ■ economic assessments of public benefits; ■ market development.

- *Leguminous Plant Strategy* of the Federal Agricultural Ministry
- Several calls, total budget 27 M€ (2014–2020)
 - Breeding
 - Production
 - Processing
 - Marketing
 - Farm-practice networks

⇒ *Research projects*

