

Farm Köllitsch Teaching and Research

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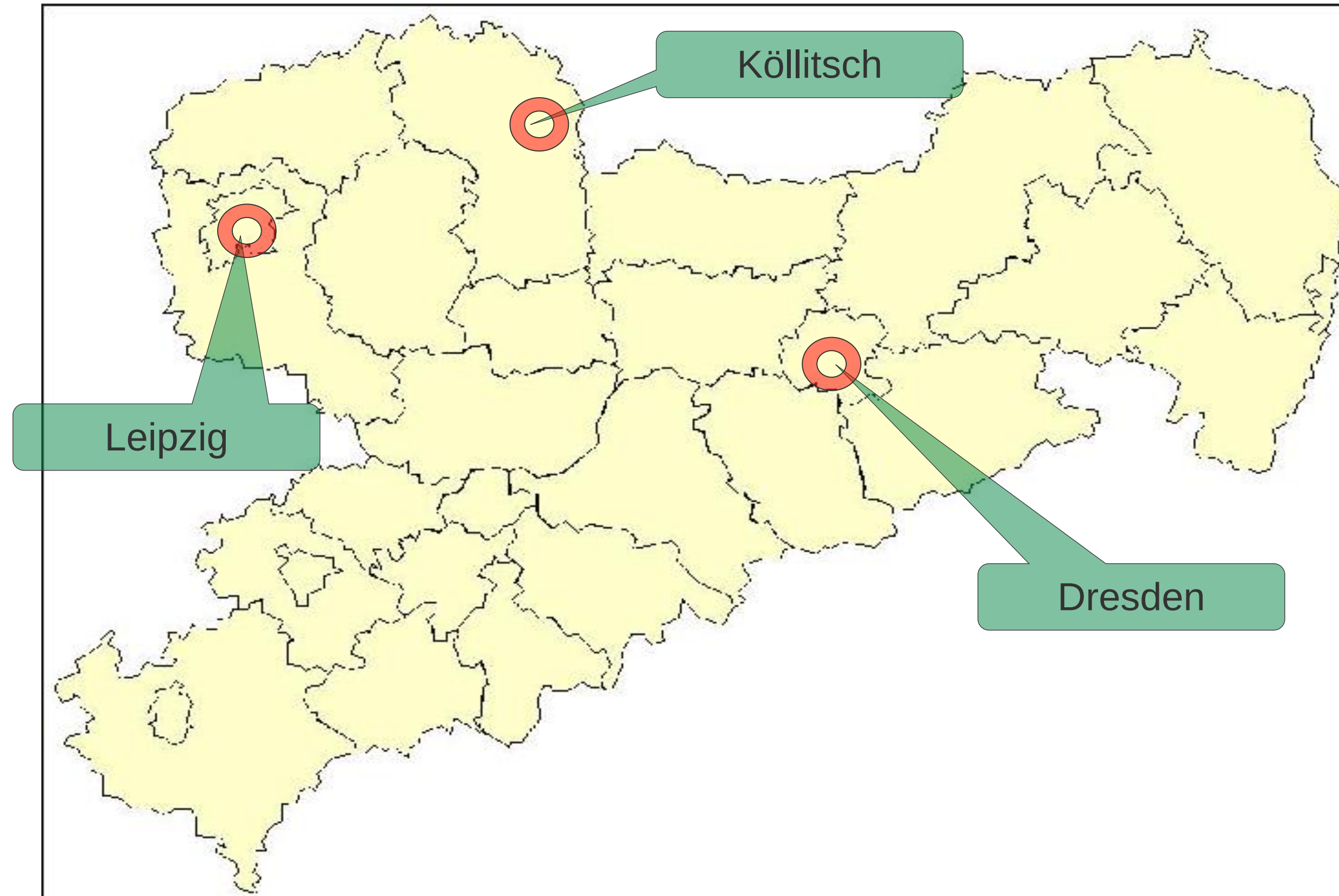
Supplementary excursion within the framework of the IALB conference on 14.09.23



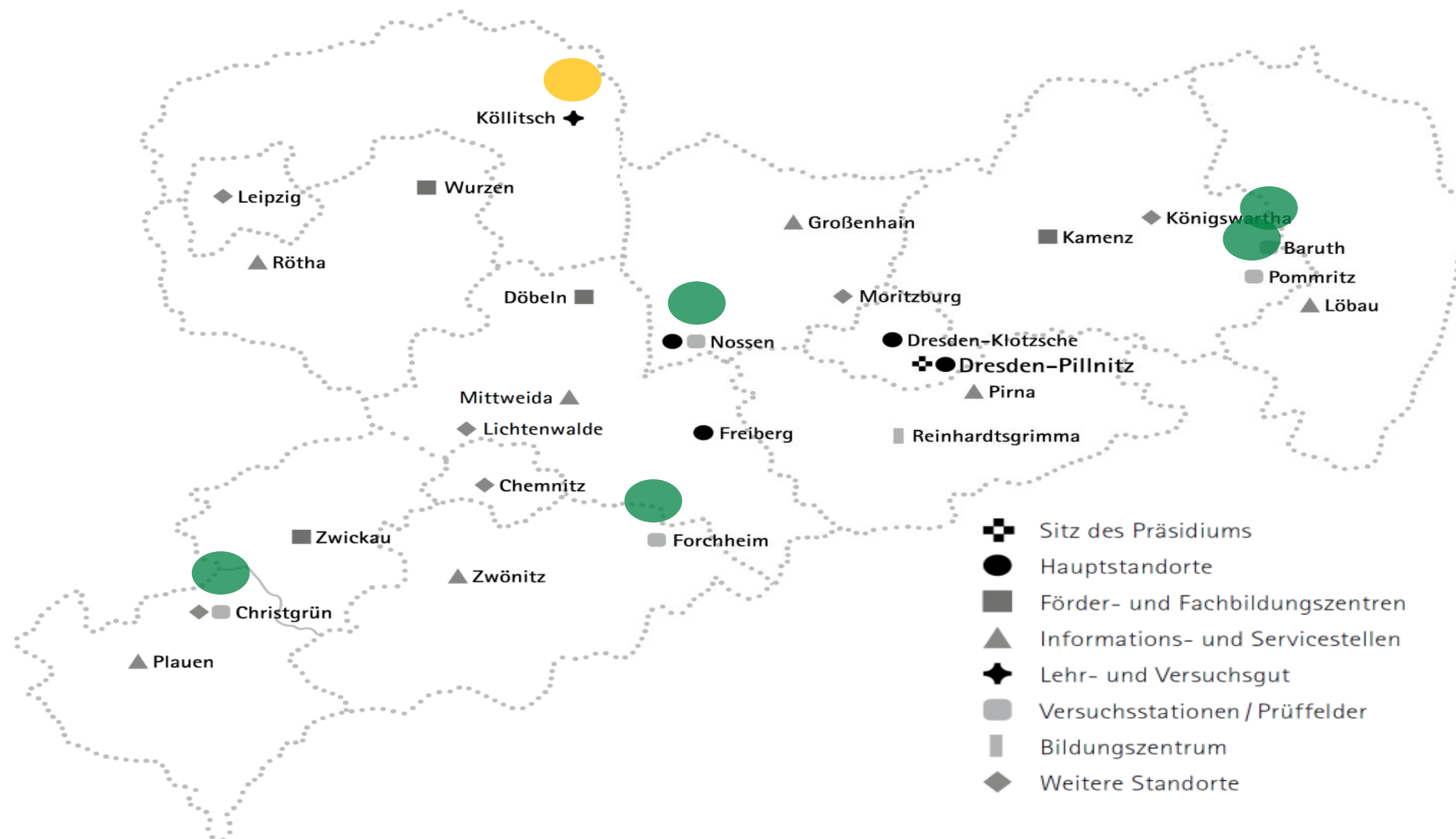
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Location

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LfULG - subordinate agency of the Saxon State Ministry of Environment and Agriculture



28 locations

11 directorates

ca. 1.300 employees

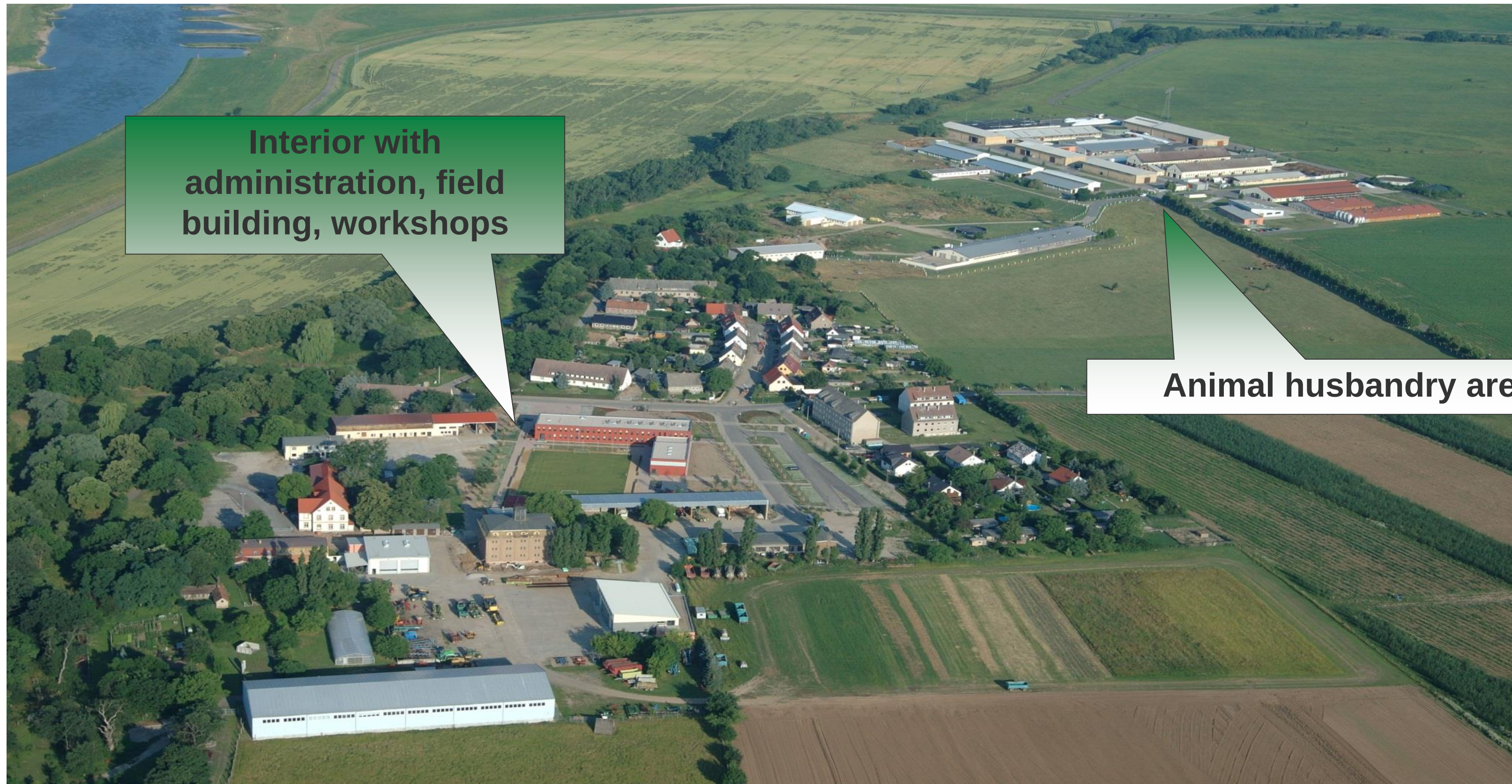
teaching & trial farm,
Köllitsch

trial centres

www.lfulg.sachsen.de

*Täglich für ein
gutes Leben.*





**Interior with
administration, field
building, workshops**

Animal husbandry area

Flood 2013

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Flood 2013



- Köllitsch estate at the beginning of the 19th century "structural change")
- Owned by the Petsch-Kunze family until the end of 1945
- Since 1950 VEG Tierzucht Köllitsch
- Taken over by the Free State of Saxony in 1992 and integrated into Saxon State Institute for Agriculture
- 01.08.08 Part of the Saxon State Office for the Environment, Agriculture and Geology
- 11.06.22 - Anniversary 30 years LVG Köllitsch

department 78 Teaching and Experimental Farm, Intercompany Training

structure

Teaching and Trial Farm Köllitsch

Education,
Inter-company training



Transfer of knowledge and
technology, digital agriculture



Trials and Applied
Research



Demonstration of „Best Practice “

Agricultural Farm

--- Efficiency of Ressources and Productivity of Agricultural Area ---

Berufliche Bildung



Participants Vocational Education

Apprenticeship years in comparison

	LJ 18/19		(...)	LJ 21/22		LJ 22/23	
	Number of Courses	Participants Is		Number of Courses	Participants IS	Number of Courses	Participants Is
ÜBA total	205	1.506		198	1.421	215	1.646
FB Foreigners and Other	-	-		-	-	-	-
FB HS / BS / FS /Grammar School	25	348		28	310	25	303
FB Master Condenter	-	-		1	14	-	-
FB Practitioner/Consultant	58	1.600		52	2042	64	1645
Exams	8	47		12	51	12	49
Competitions	2	35		-	-	3	56
Total vocational education and training	298	3.536		291	3.838	319	3.699

Education, training and further education



LVG Köllitsch – Organisation of the intercompany training courses

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Duration of the courses:
5 days each (Monday till Friday)

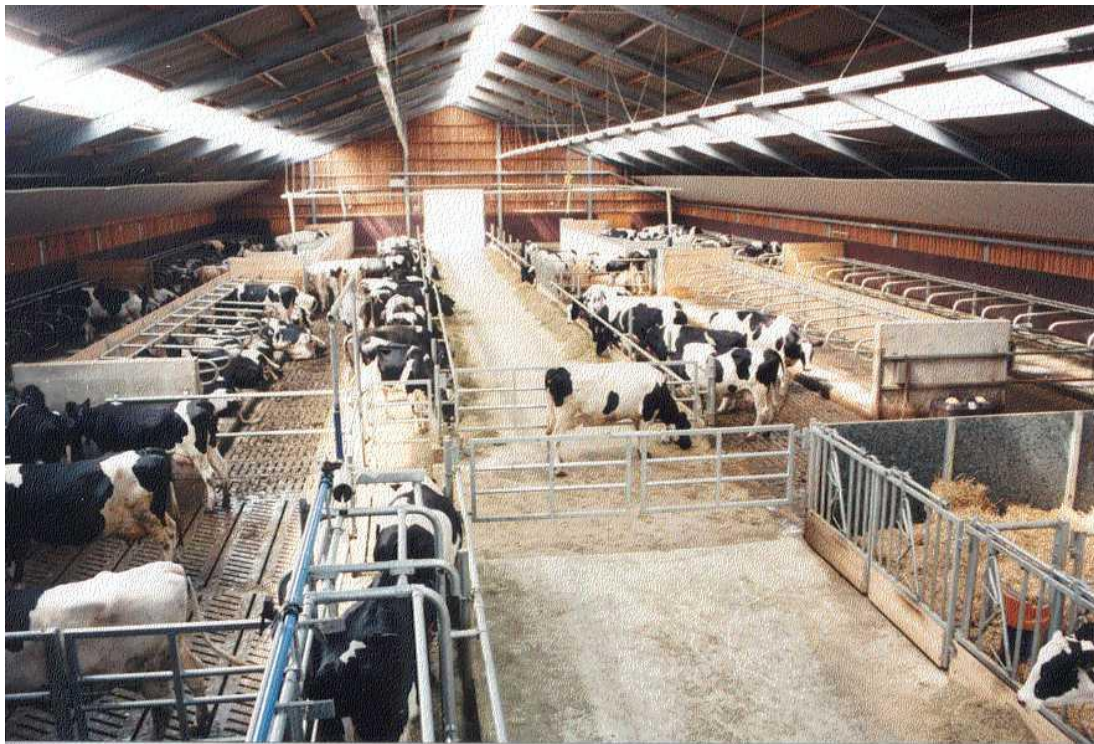
course completion:
confirmation of participation
(for apprentices with final grade after examination)

- **Accommodation:** Residence of the LVG Köllitsch
(70 places)
- **Catering Caterer**
- **Leisure activities**



Applied research

Carrying out experiments and projects as part of the applied research of the LfULG



Farm

I Agricultural

area 923 ha, of which arable land 660 ha,
grassland 263 ha

I Soil

Aluvial alluvial loam with sand ridges and gravel lenses
Field index 59 (50 - 80),
grassland index 44

I Climate

Precipitation approx. 400 mm on average
(pronounced pre-summer drought)



Köllitsch Teaching and Research Farm - Factors of production

- **923 hectares of agricultural land**
- thereof **660** hectares of arable land
- **263** hectares of Grasland
- **200** dary cows
- **100** mother cows
- **120** Sows
- **200** ewes
- **50** fallower deer
- **5-6** bee colonies

NEW



Biogas plant

- **CHP 104 kW electr.**
- **Electricity sales-remuneration according to EEG**
 - 11,67 ct basic fee
 - 4 ct 4 ct slurry bonus
 - 7 ct NawRo bonus
 - 3 ct CHP bonus
- **Heat Utilization Wärmenutzung**
 - > 80% Heating requirement livestock area
- **Input materials**
- Cattle manure, solid manure, Rindergülle, Festmist, <15 % Maissilage



Livestock-Cattle

I Stock

190 -200dairy cows with offspring

Holstein Friesians (black and coloured)

90-100 suckler cows (Simmental, Angus, Limousin)

I Key figures:

Milk yield: 10.846 kg/coe/year



Livestock – Pigs

I Duration

120 breeding sows
600 fattening places

I Breeds (DE/DL)

I Genetic

Viktoriasau von BHZP

I Metrics

- 2.30 litters/s/y
- 28.7 agF/s/y
- 1,014 g/day Increase in fattening
- 470 g/day Increase in piglet rearing

08/2015 complete
inventory change



Livestock-Sheep

■ Duration

approx. 200 ewes with offspring

■ Varieties

115 Merino meat sheep

82 Black-headed meat sheep Nolana
(breeding programme - discontinuation)



Livestock-wild game

I Fallow deer

40- 50 animals



Livestock beekeeping

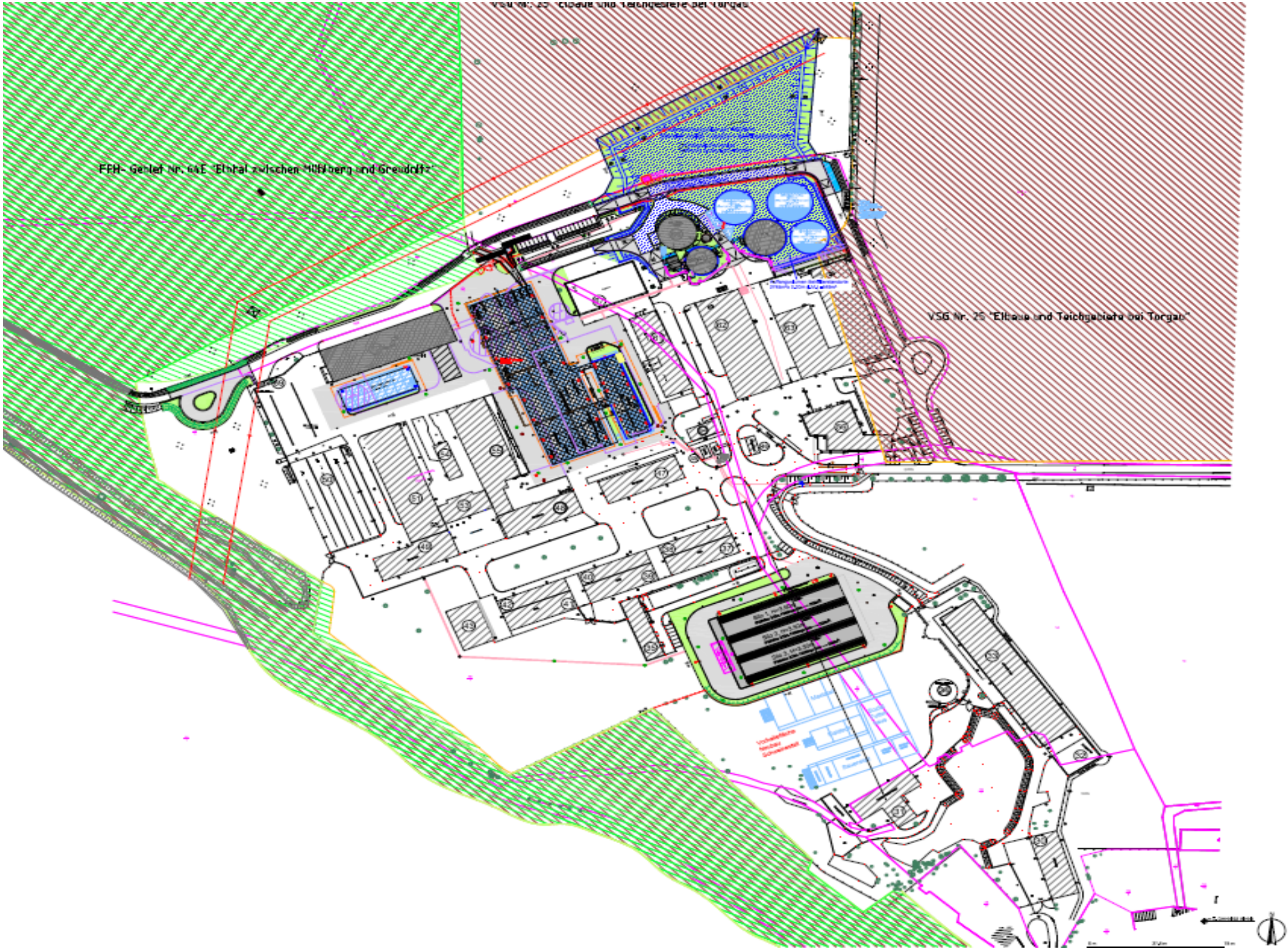
- Currently 5-6 colonies
- The teaching apiary is managed together with the State Association of Saxon Beekeepers.e.V
- Basic courses and special topics



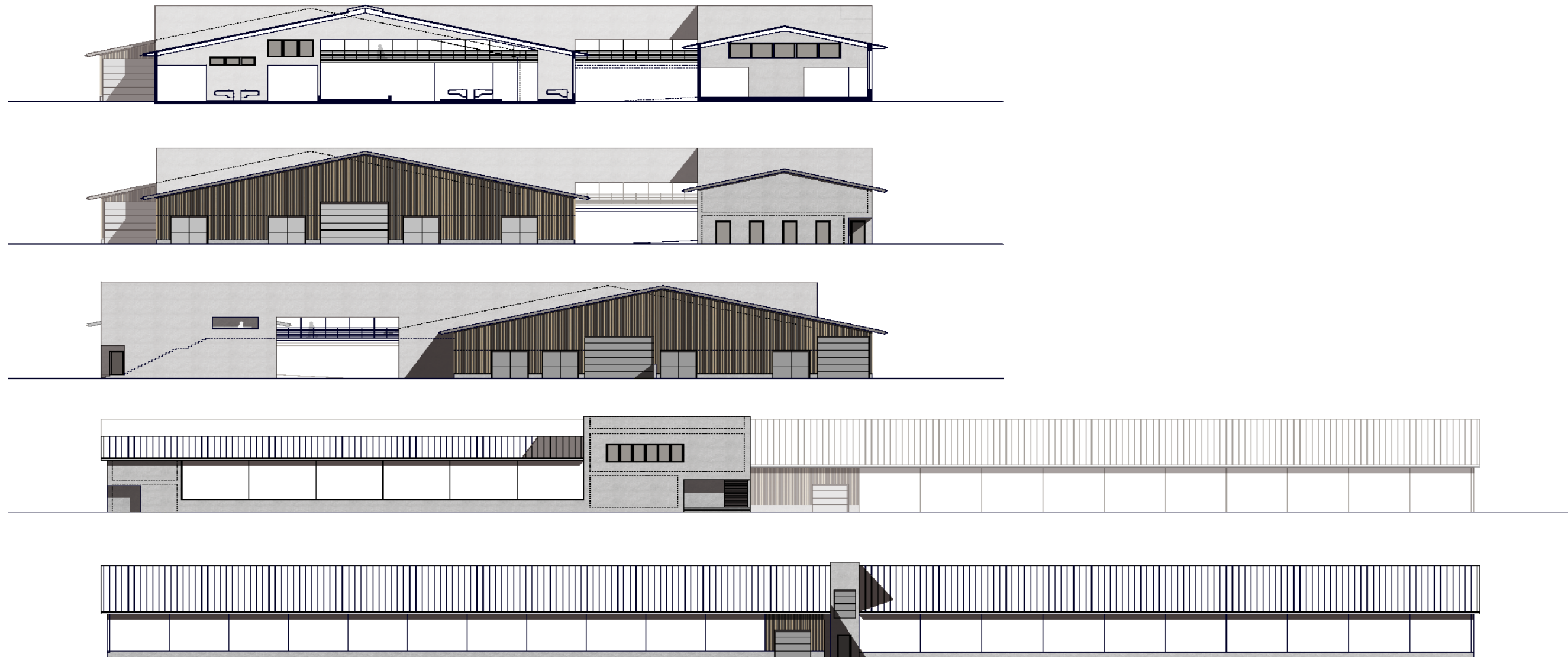
Focus on construction



Planned site modernisation cattle area



Current planning LWS Dairy cow husbandry



The future belongs to digitalisation !?





***I thank you
for your
attention***

