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bmlfuw.gv.at

The Austrian Agricultural Education System 5.12.2017

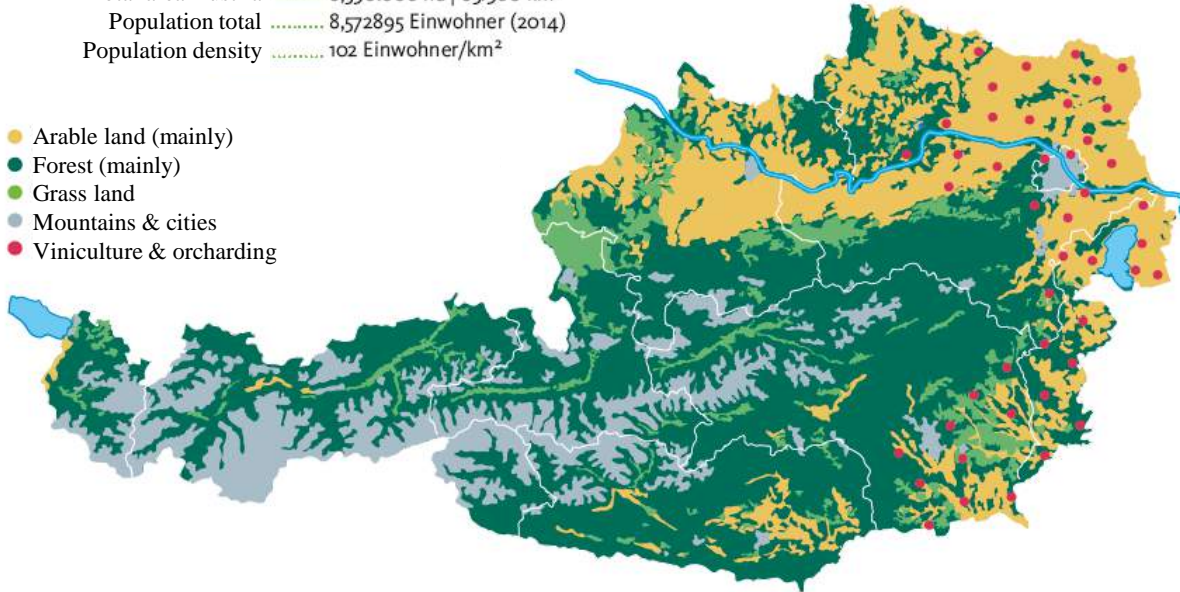
Austrian Agriculture – land use



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Total area Austria 8,390.000 ha | 83.900 km²
Population total 8,572895 Einwohner (2014)
Population density 102 Einwohner/km²

- Arable land (mainly)
- Forest (mainly)
- Grass land
- Mountains & cities
- Viniculture & orcharding



Data from „Wanderausstellung Land- und Forstwirtschaft“ www.wirtschaftsmuseum.at

Austrian Agriculture – current situation



~ 160.000 farms

High diversity (climates, mountain areas)

36% full-time enterprises

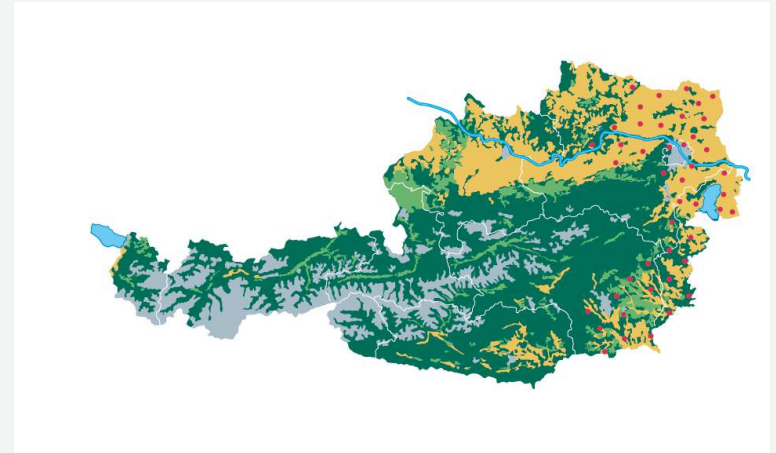
20 hectares average size

37% located in mountainous areas

14% organic farms

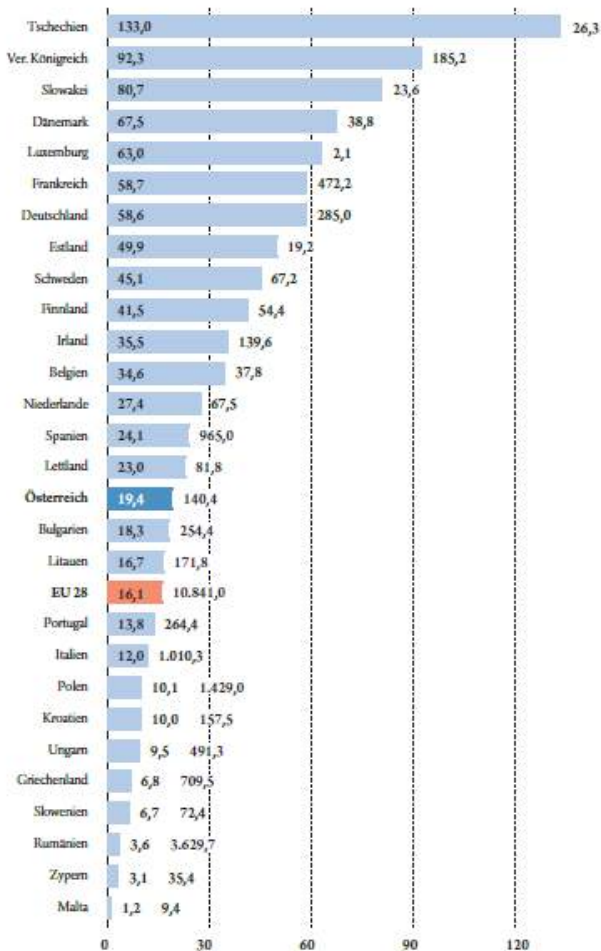
Gross domestic product (GDP) rate: less than 2%

4% people working in agricultural sector



Data from „Grüner Bericht“ 2017 www.gruenerbericht.at

■ Durchschnittliche Betriebsgröße in ha LF¹⁾/Betrieb; Anzahl der Betriebe in 1.000

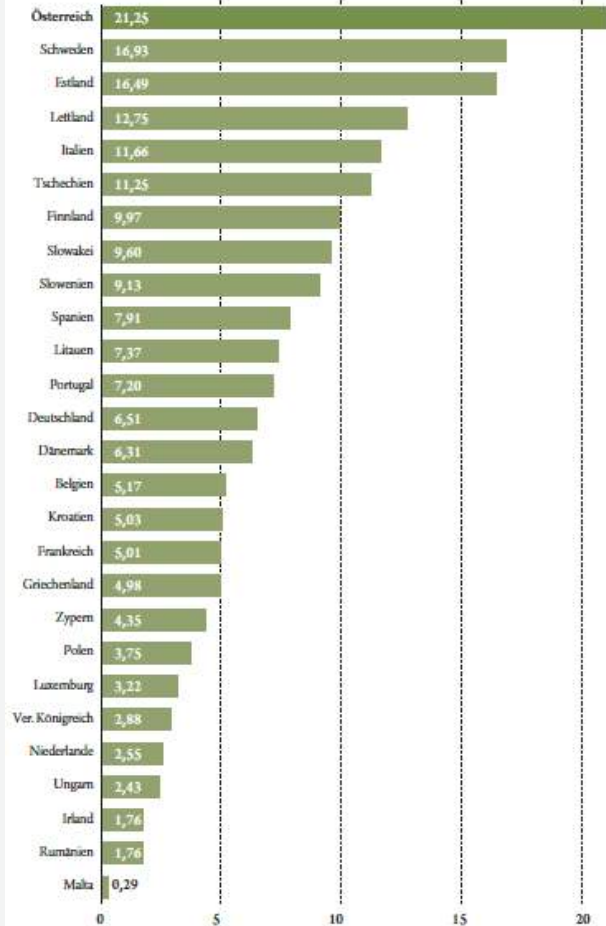


Average size of farms

Austria: **19,4** hectares

EU-average: **16,1** hectares

in Prozent

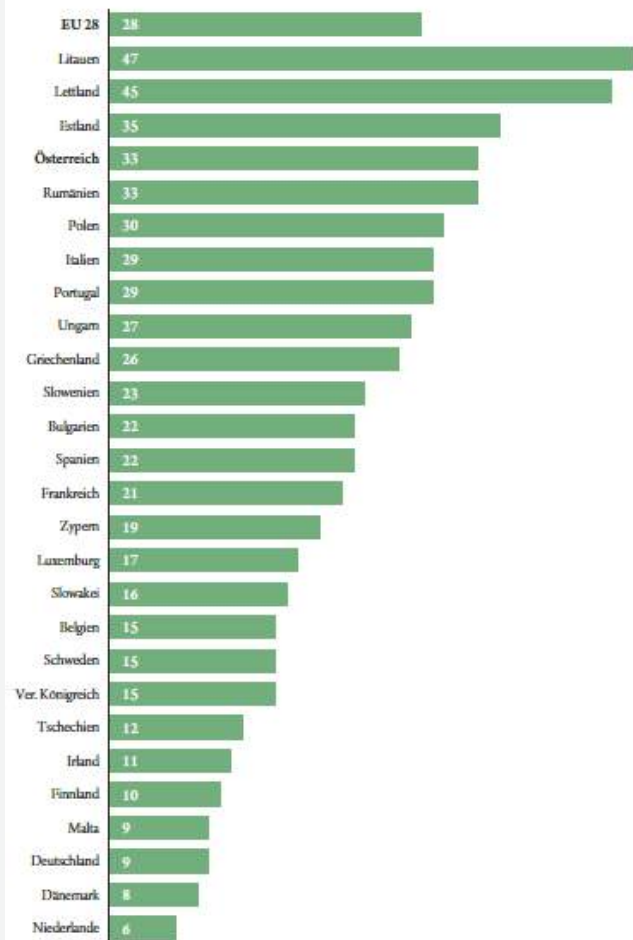


Percentage of ecological farming area

Austria: **21,25 %**

From „Data, Facts and Figures 2017“ www.bmlfuw.gv.at

in Prozent



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Percentage of women-led farms

Austria: **33 %**

EU-average: **28 %**

From „Data, Facts and Figures 2017“ www.bmlfuw.gv.at

Federal Ministry of Agriculture, Forestry, Environment and Water Management (BMLFUW)



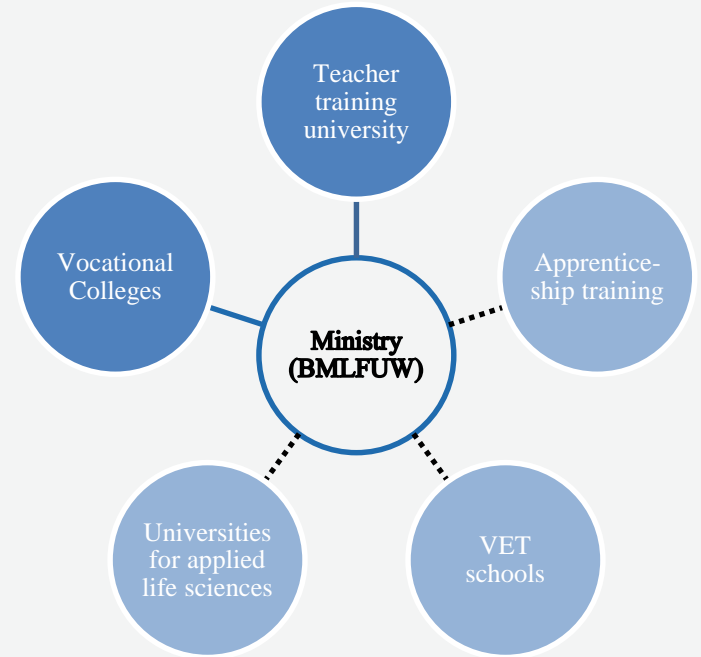
The ministry directly funds **11 vocational colleges** in the field of agriculture and forestry, where 5 are directly connected to research institutions, and **one teacher training university**.



Austrian Agricultural Education System



1. Part of the ministry
2. In cooperation with the federal states free providers in education and advisory
„horizontal networking“



Categories in Agricultural Education



regulated by law

1. Apprenticeship training and master craftsperson courses
2. Vocational education and training schools (=VET)
3. Secondary Vocational colleges
4. University College for Agrarian and Environmental Pedagogy
5. University of Natural Resources and Applied Life Sciences
6. Technical colleges

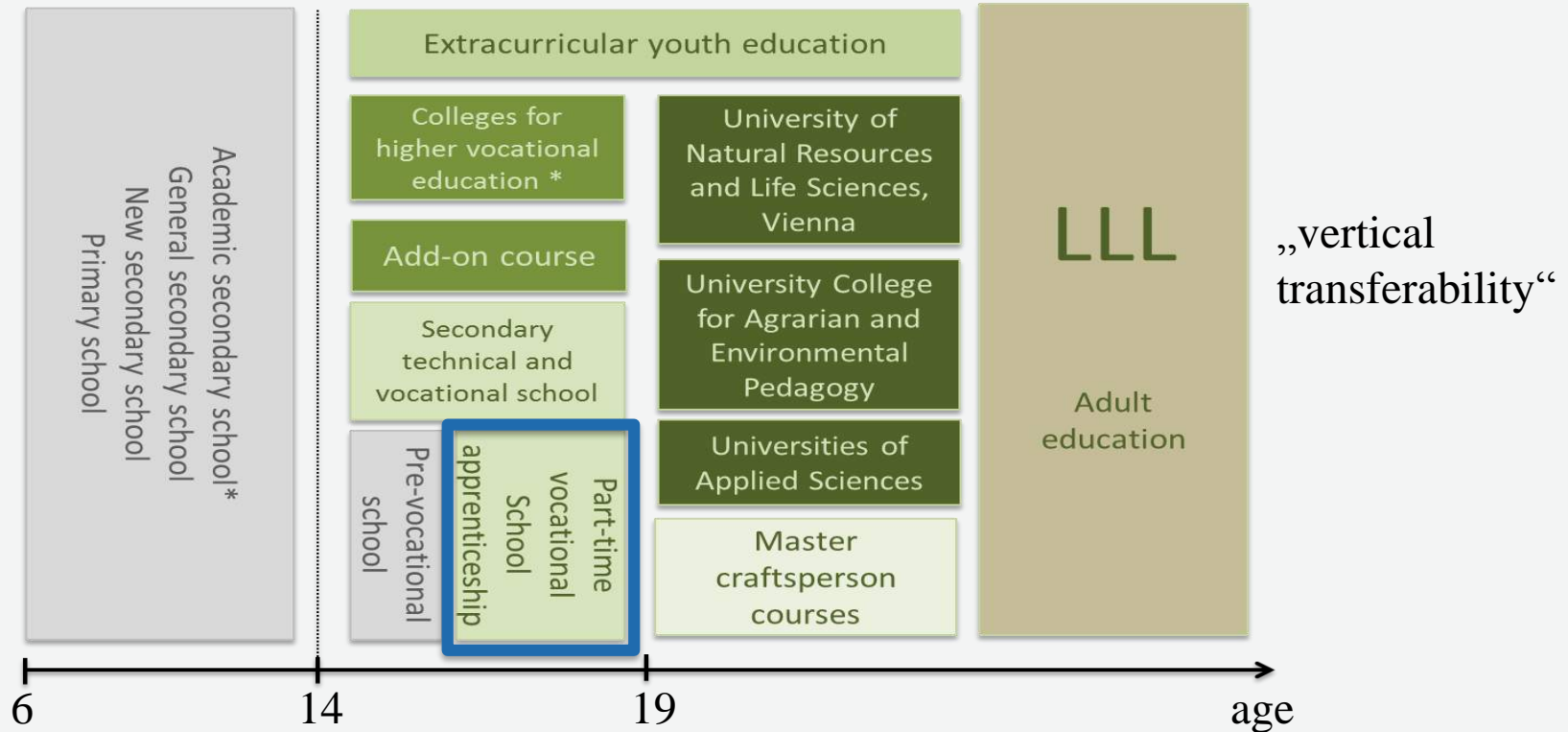
free

7. Learning Programs e.g. LEADER
8. Rural Youth - Landjugend
9. Rural Adult Education Institute
10. Extension service

Agricultural Education System



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Apprenticeship Training



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- Dual training = company + school
- Duration: 3 years
- Degree: skilled worker
- Practical work placement in a company
- ~ 9 months training at school
- ~ 700 students
- 15 agricultural professions



www.lehrlingsstelle.at

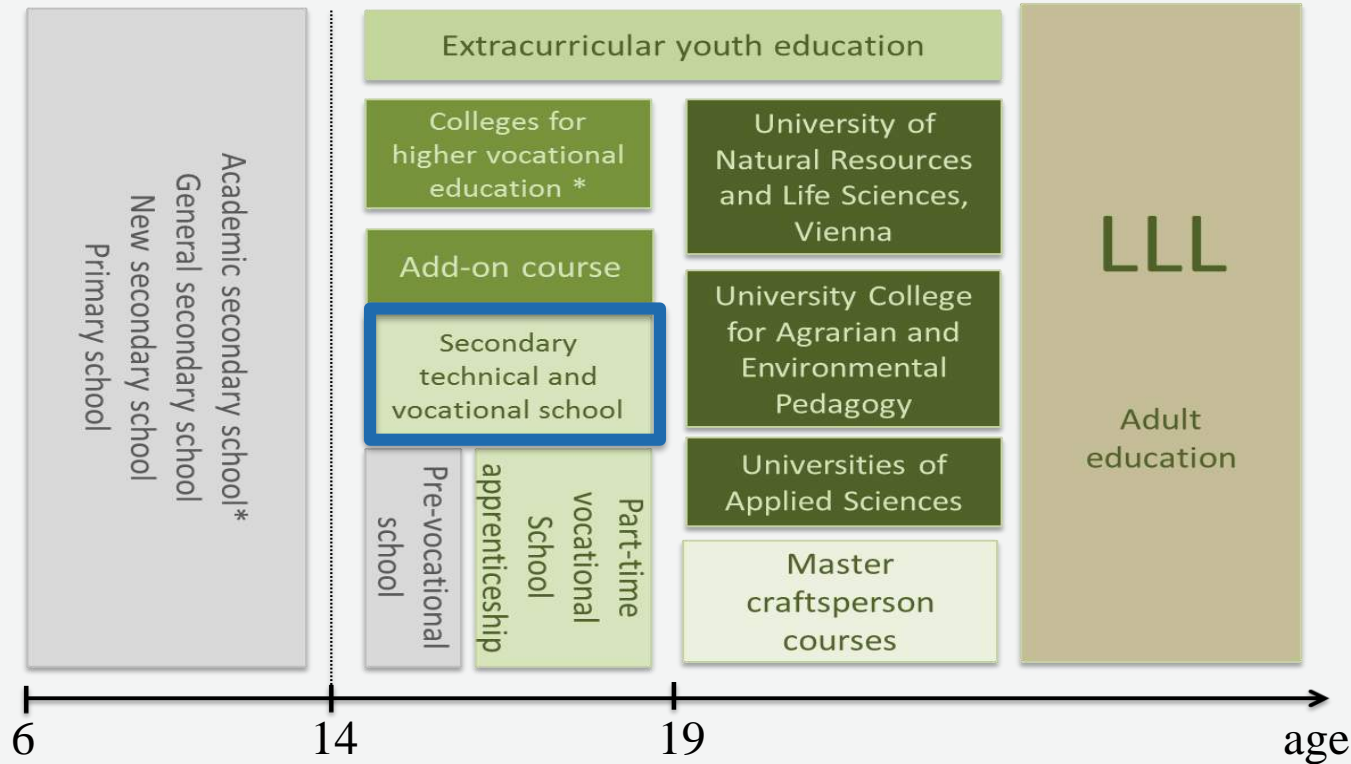
Apprenticeship Training: Professions



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1. Agriculture
2. Agriculture and home economics
3. Horticulture
4. Viniculture and cellarage
5. Forestry
6. Horse husbandry
7. Bee keeping
8. Fruit production and processing
9. Fishery
10. Biomass and bioenergy
11. Dairy and cheese processing
12. Poultry economics
13. Arable fruit production
14. Seedling nursery and forest keeping
15. Agricultural storage management





Vocational education and training schools = VET-Schools



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- Duration: ~ 3 years
- Graduation degree: skilled worker
- 85 sites
- Occupational image: farm manager
- 1st year = last year of compulsory school attendance
- Compulsory practical traineeship on a farm
- Apprenticeship training in additional professions – e.g. carpenter, mason, plumber
- ~13.000 students



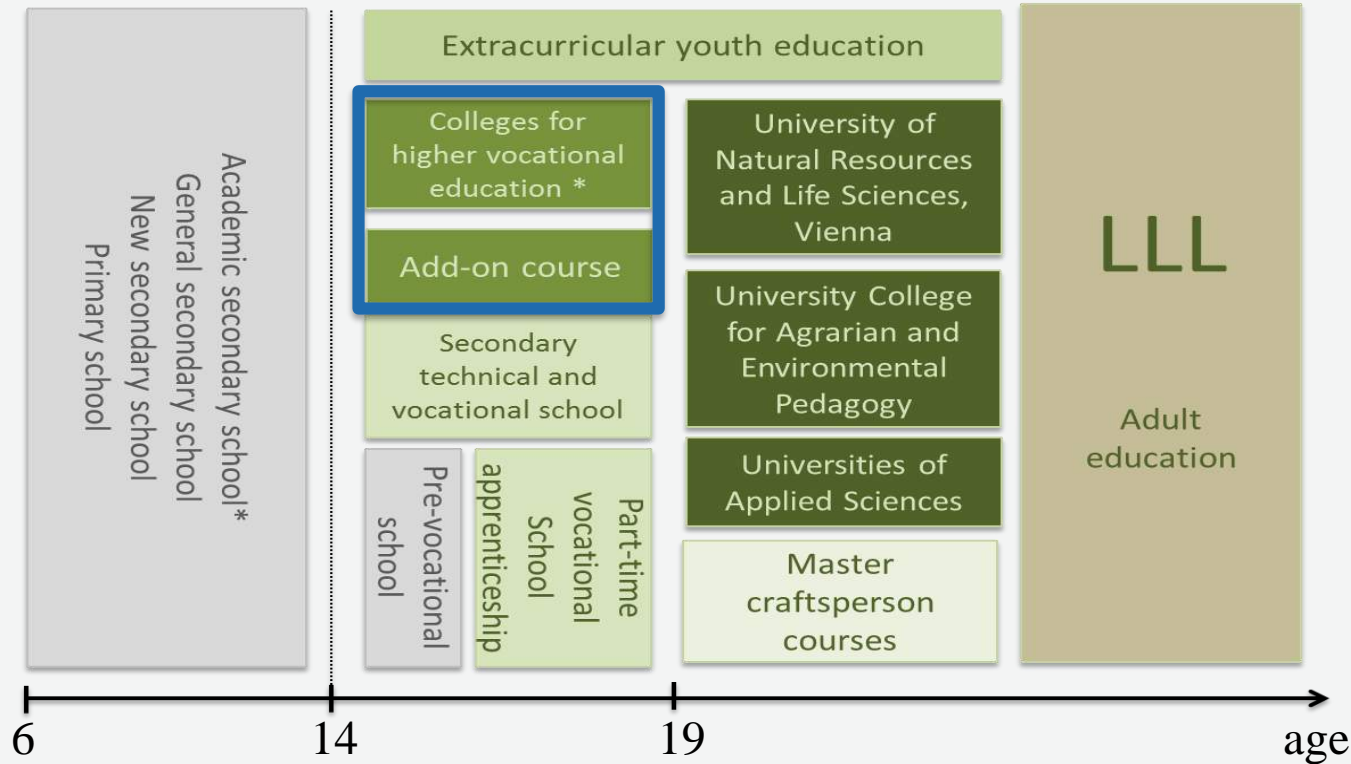
VET-Schools: Specialisations



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1. Agriculture and forestry
2. Horticulture
3. Fruit production
4. Viniculture and cellarage
5. Rural home economics
6. Agriculture and home economics
7. Horse husbandry
8. Forestry





Secondary Vocational Colleges

- Duration: 5 years / 3 years “add-on“ course
- Graduation: A level (“Matura”), Titel Engineer (“Ing.”) with 3 years job experience after graduation
- 11 sites
- 9 specialisations
- 20-22 weeks of compulsory practical traineeship
- Occupational image: farm manager, administration, teacher, consultant
- Graduates act as project managers in rural areas
- 4.000 students, ~ 400 teachers



Secondary Vocational Colleges: Specialisations



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Sitzenberg



Raumberg



Wieselburg



Elmberg

1. Agriculture and nutrition economy (4 sites)
2. Agriculture (4 sites)
3. Agricultural engineering (1 site)
4. Food and biotechnology (1 site)
5. Forestry (1 site)
6. Viniculture and orcharding (1 site)
7. Horticulture (1 site)
8. Garden- and landscape management (1 site)
9. Environment- and natural resources management (2 sites)



Bruck/Mur



Ursprung



Kematen



St. Florian



Pitzelstätten



Schönbrunn

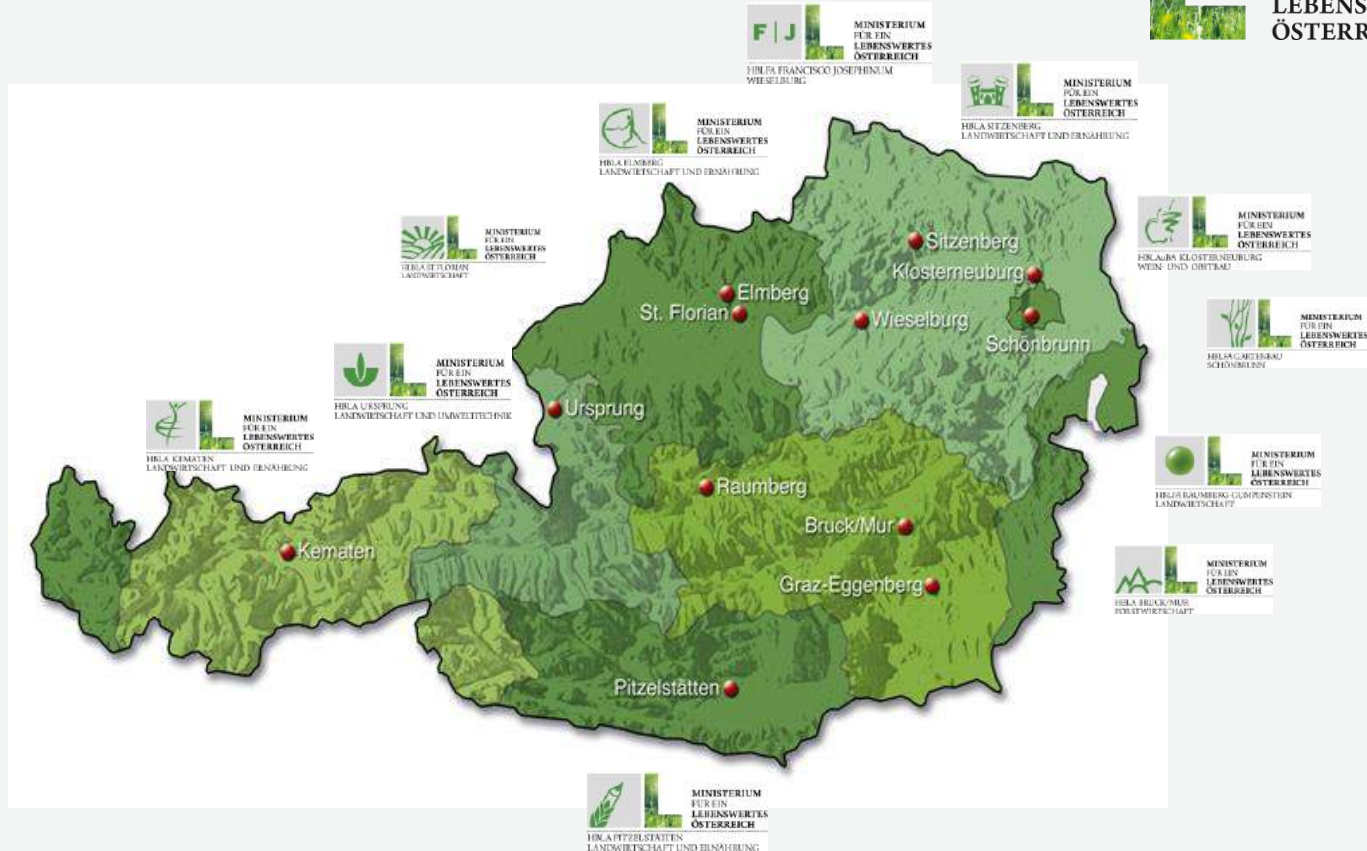


Klosterneuburg

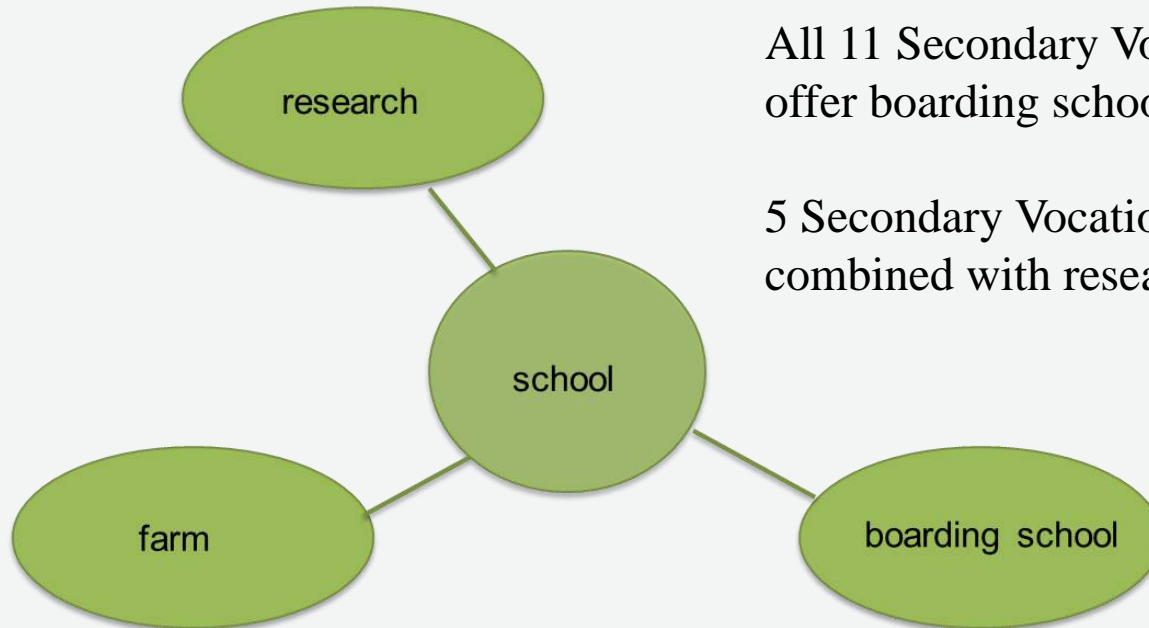
Secondary Vocational Colleges: Sites



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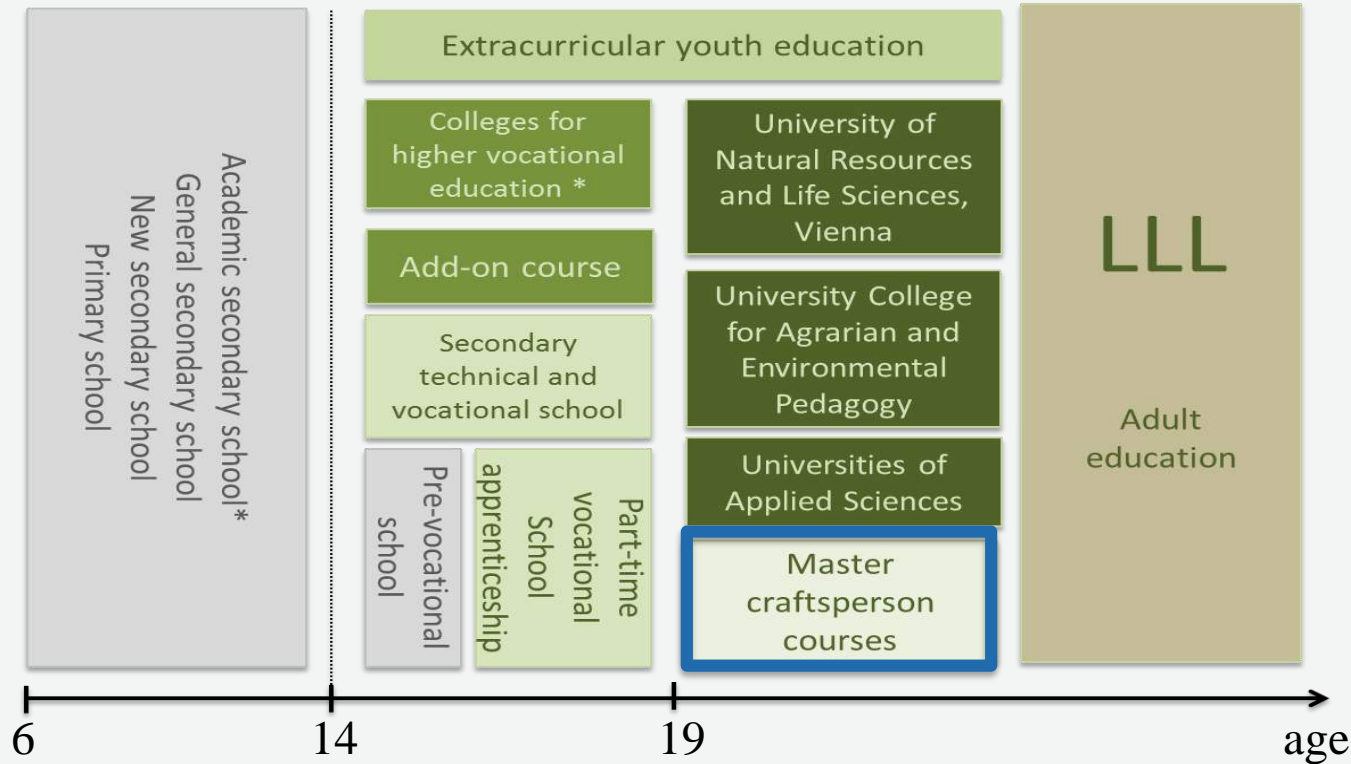


Secondary Vocational Colleges



All 11 Secondary Vocational Colleges offer boarding schools.

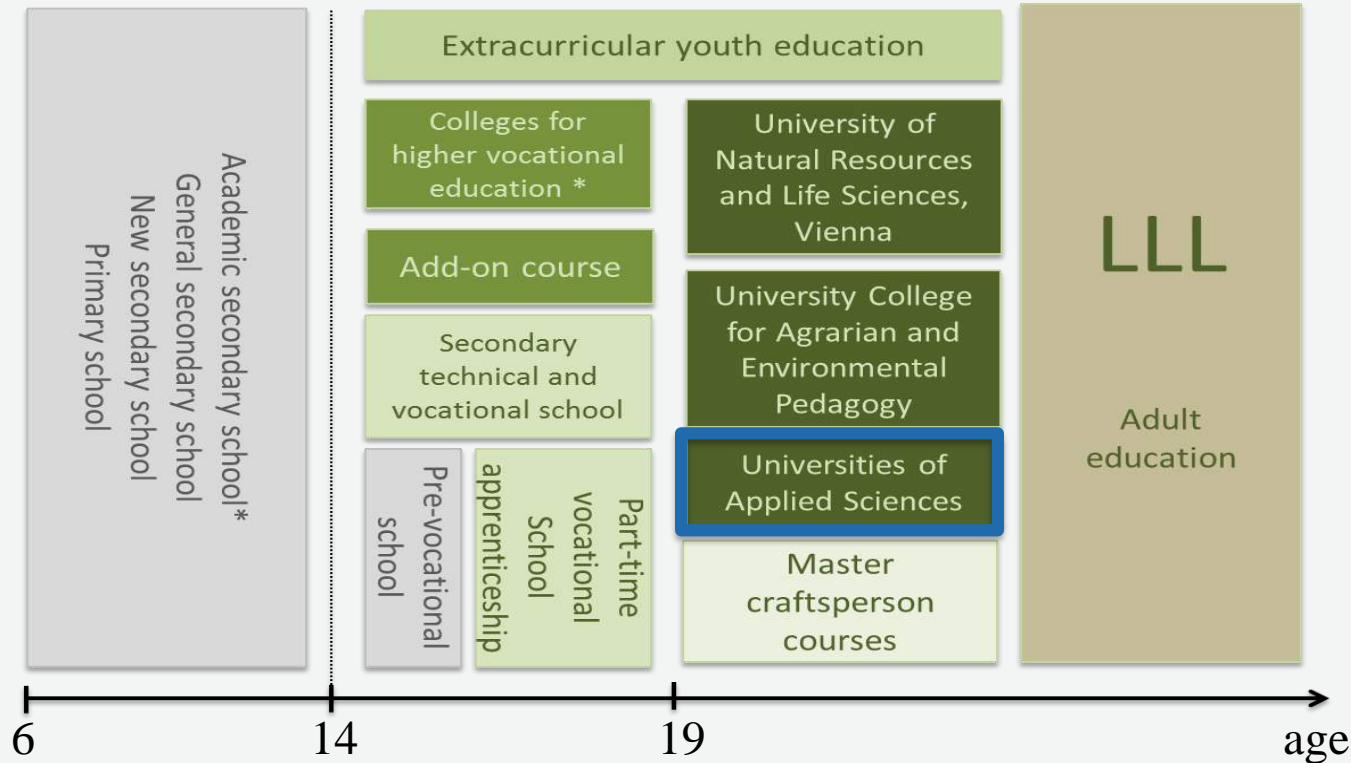
5 Secondary Vocational Colleges are combined with research sites.



Master Craftsperson

- After graduated apprenticeship training (VET-school / secondary colleges)
- After 3 years of work experience
- 15 agricultural professions
- ~800 students





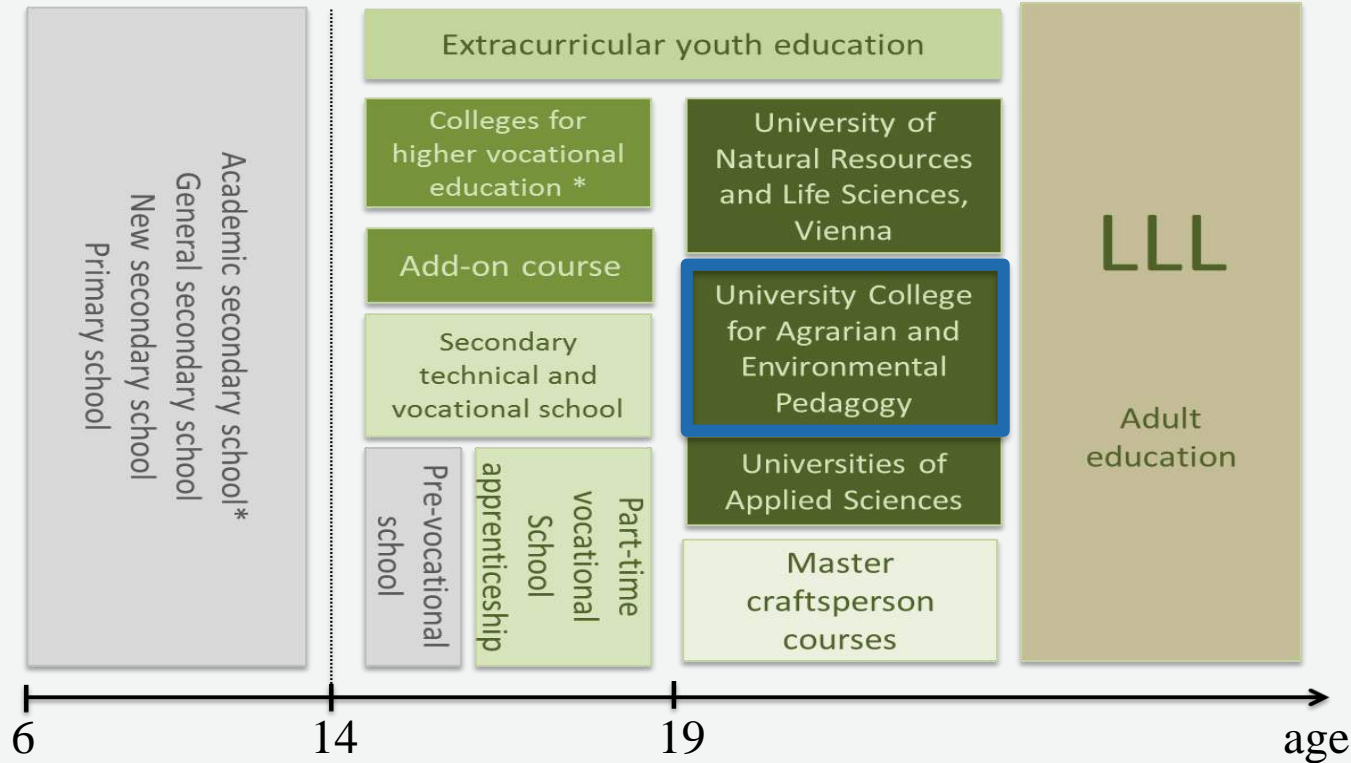
Technical Colleges (FH)



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- University level education
- Duration: 6 + 4 semesters
- Degree: Bachelor (FH), Master (FH)
- 140 different specialisations
 - Technical College of Applied Life Sciences
~ 600 students
 - Bachelor “Agricultural technology” is planned for the future.





University College for Agrarian and Environmental Pedagogy



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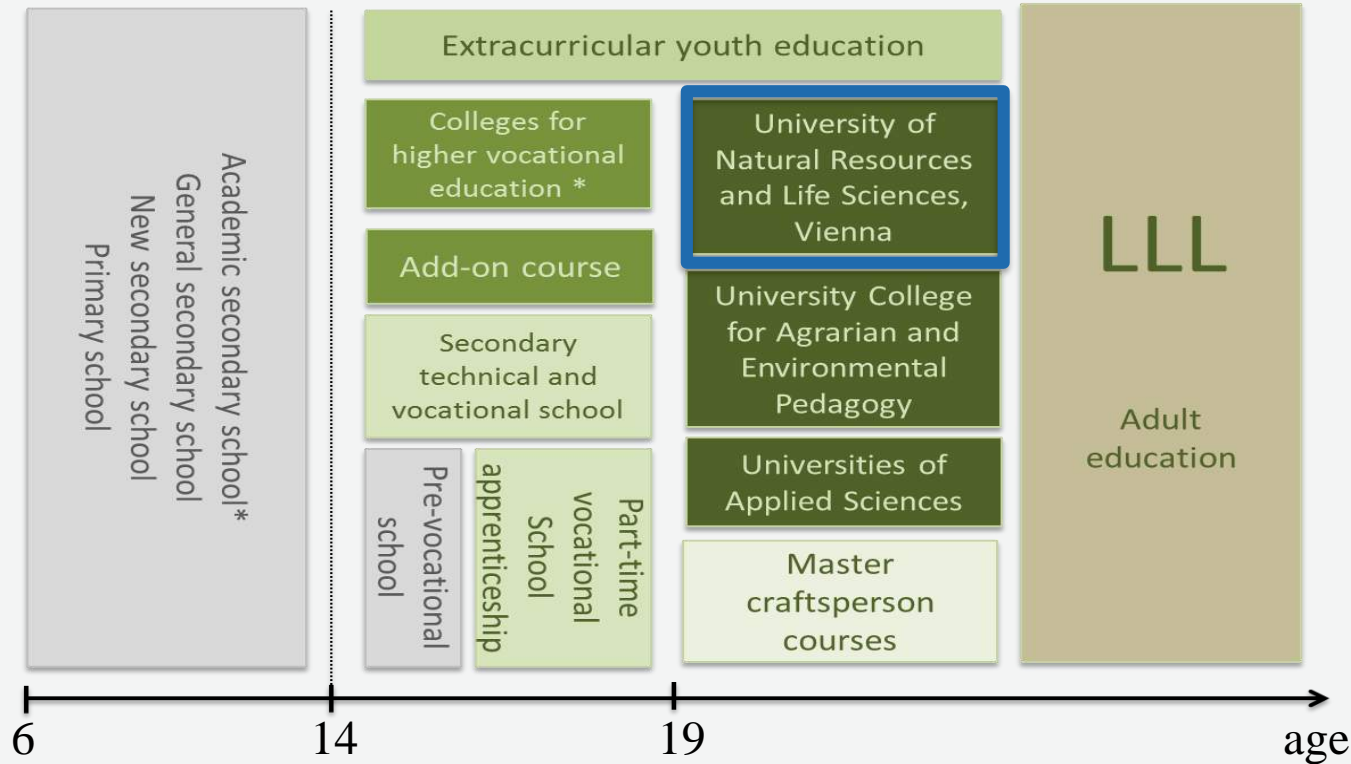


- 8 (+2) semesters, 240 ECTS
- Degrees: Bachelor of Education (Master of Education)
- Teacher and consultant education
- Specialization: Agrarian Pedagogy / Environmental Pedagogy, Green Care
- Continued education for teachers and consultants
- Research in agrarian and teaching environments
- Green pedagogy
- ~ 500 students



HOCHSCHULE FÜR
Agrar- und Umweltpädagogik

www.agrarumweltpaedagogik.ac.at



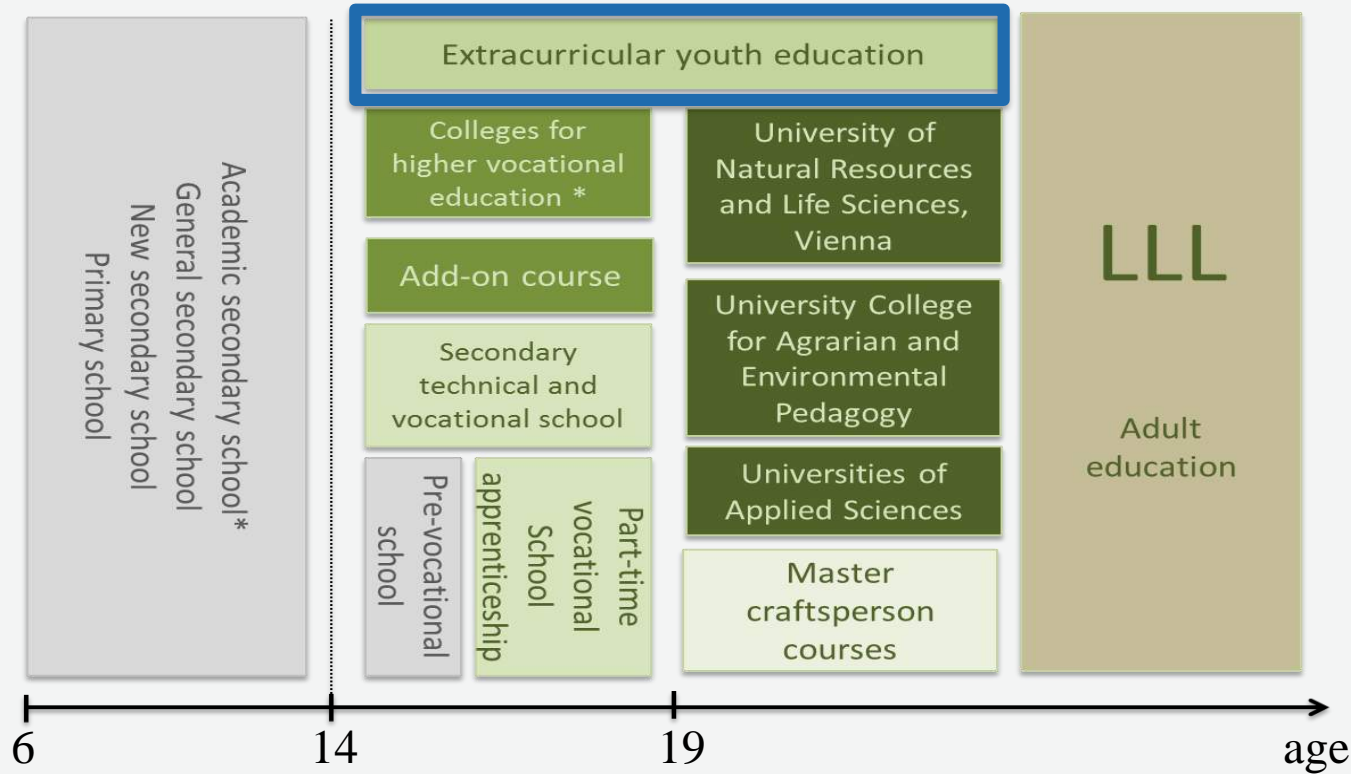
University of Natural Resources and Applied Life Sciences (BOKU)



- Bologna architecture: bachelor-master-doctor since 2004
- Federal Ministry of agriculture (BMLFUW) in cooperation with Federal Ministry of Science, Research and Economy
- 8 Bachelor programs, 15 Master programs (German), 5 Master programs (English)
- Agricultural Science, Forestry, Food Science and Biotechnology, Landscape Architecture and Planning...
- 15 departments
- Characteristics: research, internationality, alumni
- ~ 12.000 students



www.boku.ac.at



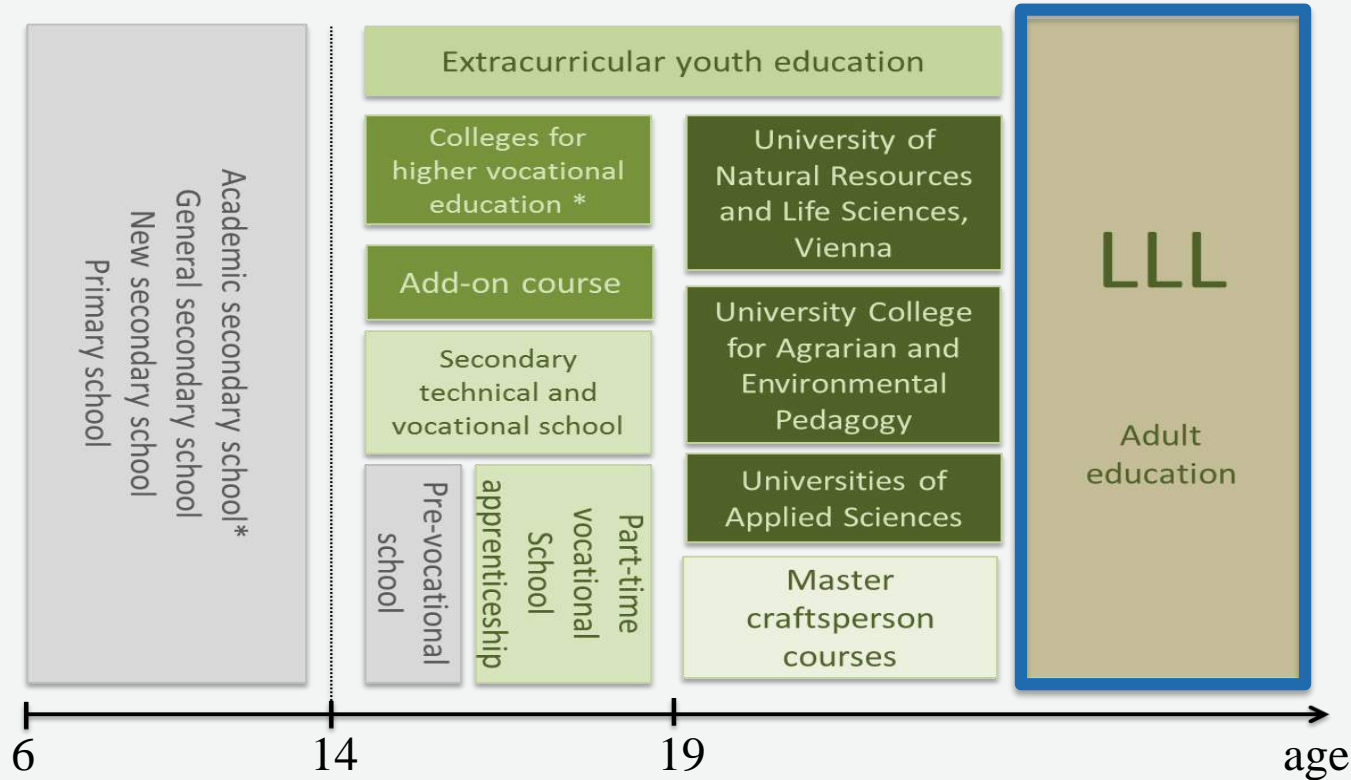
Rural Youth – „Landjugend“



- Most important organisations of extra-curricular youth education in rural areas in Austria
- Non profit, community level organisations
- Support through employees of the Chamber of Agriculture and the Ministry BMLFUW
- Organisation of seminars, workshops, meetings, competitions, projects for rural youth
- National and international youth exchange for practical trainings and traineeships in agriculture (e.g. Leonardo da Vinci)
- ~ 90.000 members



www.landjugend.at



Adult education in rural areas



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- Life long learning systems
- NGOs, other organisations
- Funding:
participants and subsidies
- Trainings: 3 hours to 200 hours
- Special trainings:
e.g. certificate courses (Rural Family
Enterprise, School on a Farm, etc.)



Rural Adult Education Institute



- The rural Rural Adult Education Institute (LFI) offers the widest adult education program in rural areas.
- In all federal states
- With quality management standards
- Contents: business management, information technology, plant production, animal production, direct marketing, construction, health and nutrition, personality formation and creativity, forestry and wood, timber management, culture and customs, regional development, environment and organic farming
- ~13.000 events
- ~ 350.000 participants



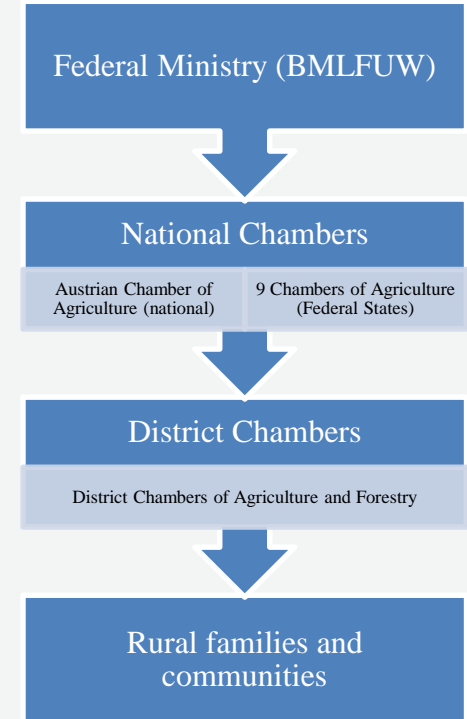
www.lfi.at

Agricultural and Forestry Advice and Extension Services

- Chambers of Agriculture: advice service on a national and district scale
- „Advisor contract“ with the federal republic (BMFLUW)
- Company development and business management
- Advice in environmental and social issues
- Individual problem solutions
- Consulting in combination with adult education and project management



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www.lko.at

Educational System in Future needs....



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- high efficiency → clear scopes
- high efficiency → exploitation of saving potentials
- high quality → educational system as learning organisation
(benchmarks)





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