



lfz
klosterneuburg

Lehr- und Forschungszentrum
Wein- und Obstbau
weinobstklosterneuburg.at



lebensministerium.at

Unser Wissen trägt Früchte.

Projects and initiatives at the Federal College and Institute for Viticulture and Pomiculture Klosterneuburg

Schildberger Barbara, Faber Florian



History

- School was opened 1860
- 1870 the federal research station was founded
- Experimental areas
 - Agneshof/vines
 - Haschhof/fruit
 - Götzhof/vine breeding
- Combination of
 - **Federal Institute, an experimental and research station**
 - **Federal College, a higher college for viticulture and pomology**



1930



2011



Introduction and Presentation of the research work of the different institutes

- Institute for Viticulture and Enology
 - Primary goal: production of first class grape material as a basis for vinification
 - Highest standards of quality



Introduction and Presentation of the research work of the different institutes

- Institute for Pomiculture and Fruit Processing
 - economical and ecological oriented, with special regard to commercial fruit growing
 - The developement of planting procedures and processing methods for potentially important cultivars is important for both traditional and innovative high – quality fruit products



Introduction and Presentation of the research work of the different institutes

- Institute for Chemistry and Biology
 - Center of high quality and officially recognized analysis of wine and fruit products
 - Analysis of micro-organisms as well as studies with plant physiology



Federal college

- At first central European and only Austrian educational centre offering a school leaving exam in the field of viticulture and pomiculture (5 years).
- Feel indebted to tradition and innovation
- The close cooperation with the research department gives the students a competitive edge in their professional life



Federal college

- Practice oriented knowledge transfer, projects with partner companies as well as the high professional standards make our students competent graduates who are in great demand
- Based on a general education in the field of
 - human sciences and languages (german, english, second foreign language, communication and presentation skills, history, political science and geography)
 - natural science (chemistry of fruit and wine, microbiology and hygiene, engineering mechanics, pest management)



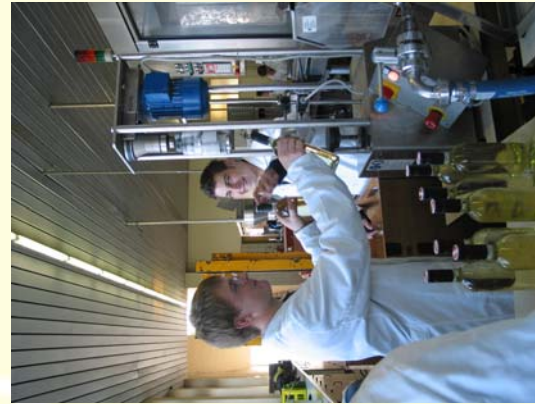
Federal college

- Special field production
 - Viticulture, pomiculture, technology of grape-processing, technology of fruit and vegetable processing
- Business Management and Law (economics, marketing and management, project management, law)











Structure

- Research and Development

- publications

- Education

- innovations
- alumni
- experimental report
- theses
- projects

- FU - projects
- student apprentices
- co - operation

- Further Education

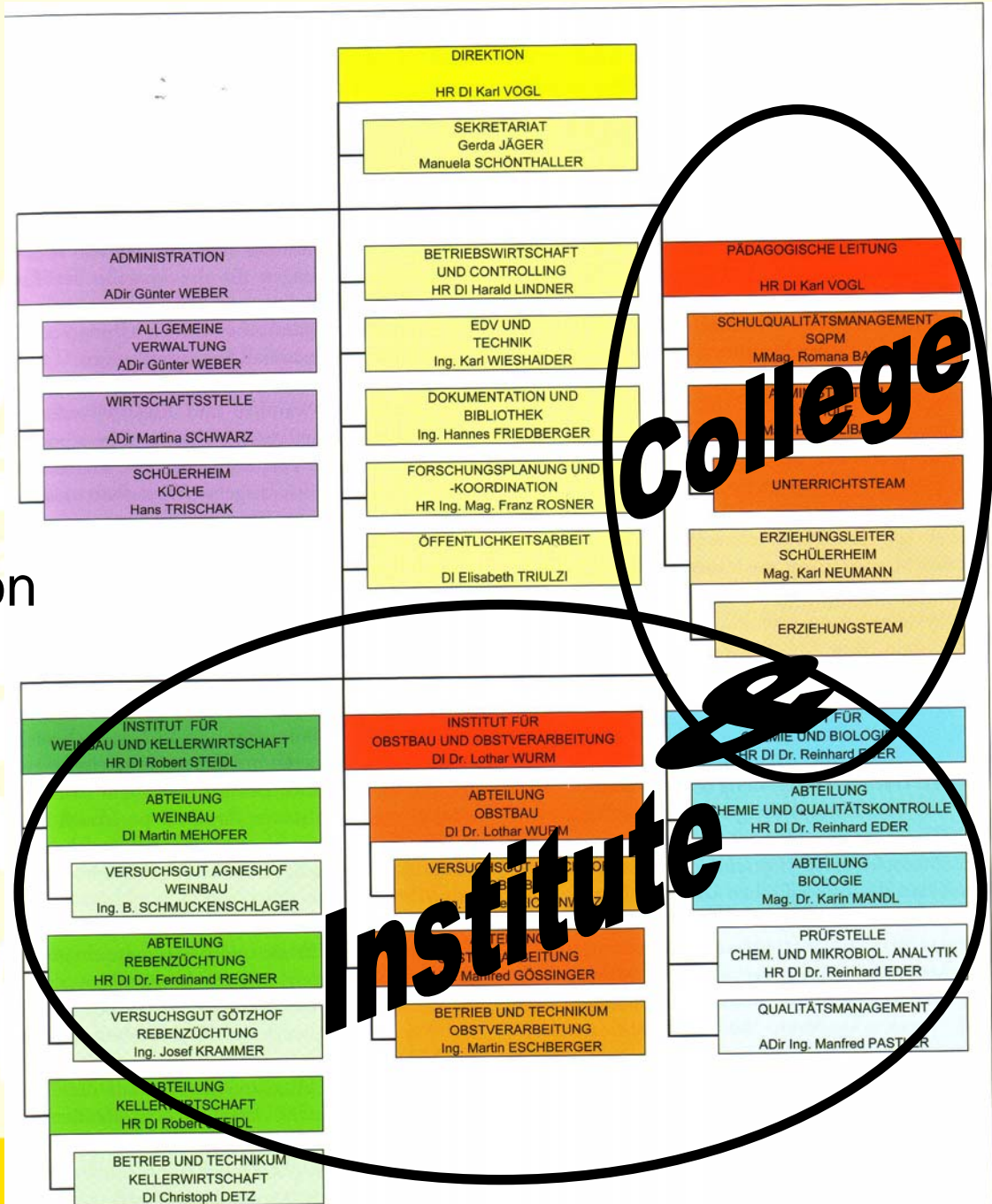
- new cultivars
- engineers examination
- cultivar library

- Legal Certificates

- export certificates
- cultivar identification
- quality certificates for wines

- Services

- courses
- counselling
- expert reports
- experts
- material examination
- wine appreciation courses



College

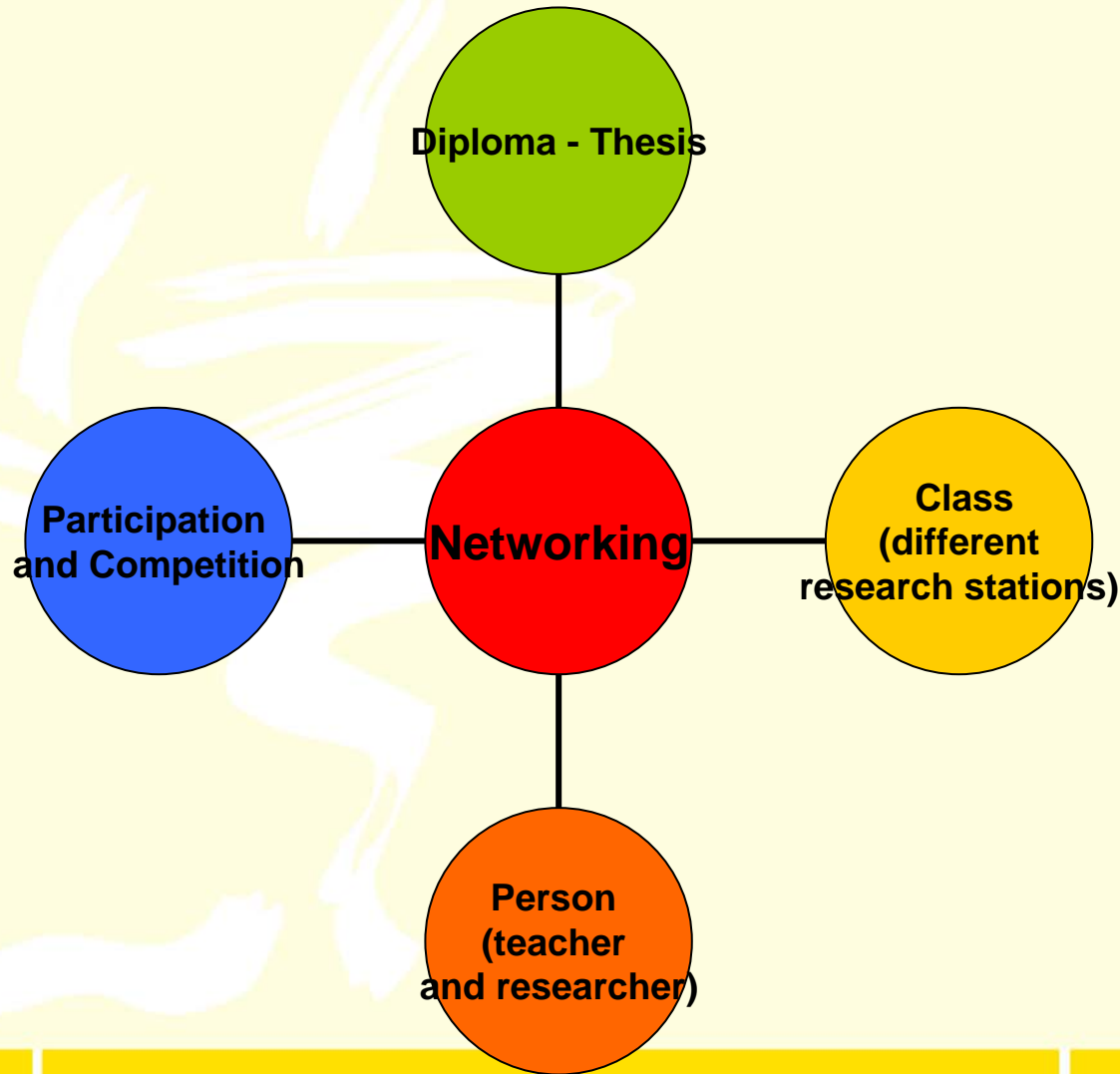
Institute

Abb. 1: Organigramm 2010

Structure

- The Directorate is responsible for the management of the College and Institute, as well as the management of the home for students.
- Currently to 156 posts 165 people are employed, of which 34 are used as teacher.
 - 13 people have to act the role as teacher and as a research assistant
 - 17 people are only teachers
 - 4 people teach and act as well as operations manager
- Because of the close personal ties between the scientific sector and the educational sector valuable synergies for both the knowledge and for research and experimentation are given

Networking between research and school



Projects and initiatives

- Diploma – Thesis
EFFECTS OF PROHEXADIONE – CALCIUM ON THE GRAPE CLUSTER STRUCTURE AND THE SUSCEPTIBILITY TO BUNCH ROT (*BOTRYTIS CINEREA*) IN THE VARIETY GRÜNER VELTLINER
 1. Needs one year
 2. Students find a supervisor and a topic
 3. Lessons in scientific working and project management to optimize the working process
 4. Working scientific on their topics
 5. Use the facilities of the research stations
 6. Finish with an oral and written presentation
 7. Sometimes it leads to a publication in scientific magazines



Class (different research stations)

- Lessons of the teacher take place in the field of the different research stations in the lab or in the cellar of the different institutes.
- The teacher and the researcher often presents the different projects (best practice examples)
- Students get to know the processes of high quality production
- The Possibility of making a training at the research institutes



Participation and Competition

- Working together with different companies (brochure for plant protection)
- Participation with diploma thesis on scientific competitions (Jugend innovativ)
- Participation every year on an international wine challenge
- Girly-day



Person (teacher and researcher)

- Advantages

Students

- Actual content
- Better understanding of modern scientific methods
- Easy connection between research and education

Teacher (researcher)

- Critical feedback from the students
- Social contact
- Students bring new



Person (teacher and researcher)

- Disadvantages

Students

- Actually no disadvantages

Teacher (researcher)

- No 100% teacher and no 100% researcher
- Working process can suffer
- Conflicts between the different teacher types



Thank you for your attention!

