



**KRIŽEVCI COLLEGE OF AGRICULTURE
ENHANCING RURAL DEVELOPMENT FOR 147 YEARS**

Renata Husinec & Dejan Marenčić



Population (2003 est.) 4,422,248
 Area: 56,538 sq.km
 Land Use; forested 37%
 pastures 19%
 agricultural-cultivated 23%
 other 21%

Regions of Croatia

- | | |
|-----------------------------------|--|
| 1. Istria County | 10. Pozega and Slavonia County |
| 2. Rijeka County | 11. Virovitica and Podravina County |
| 3. Karlovac County | 12. Osijek and Baranja County |
| 4. Zagreb County | 13. Sisak and Moslavina County |
| 5. Krapina and Zagozje County | 14. Slavonski Brod and Posavina County |
| 6. Varazdin County | 15. Vukovar and Srijem County |
| 7. Medjmurje County | 16. Lika and Senj County |
| 8. Kopriwnica and Krizevci County | 17. Zadar County |
| 9. Bjelovar and Bilogora County | 18. Sibenik and Knin County |
| | 19. Split and Dalmatia County |
| | 20. Dubrovnik and Neretva County |
| | 21. The City of Zagreb |



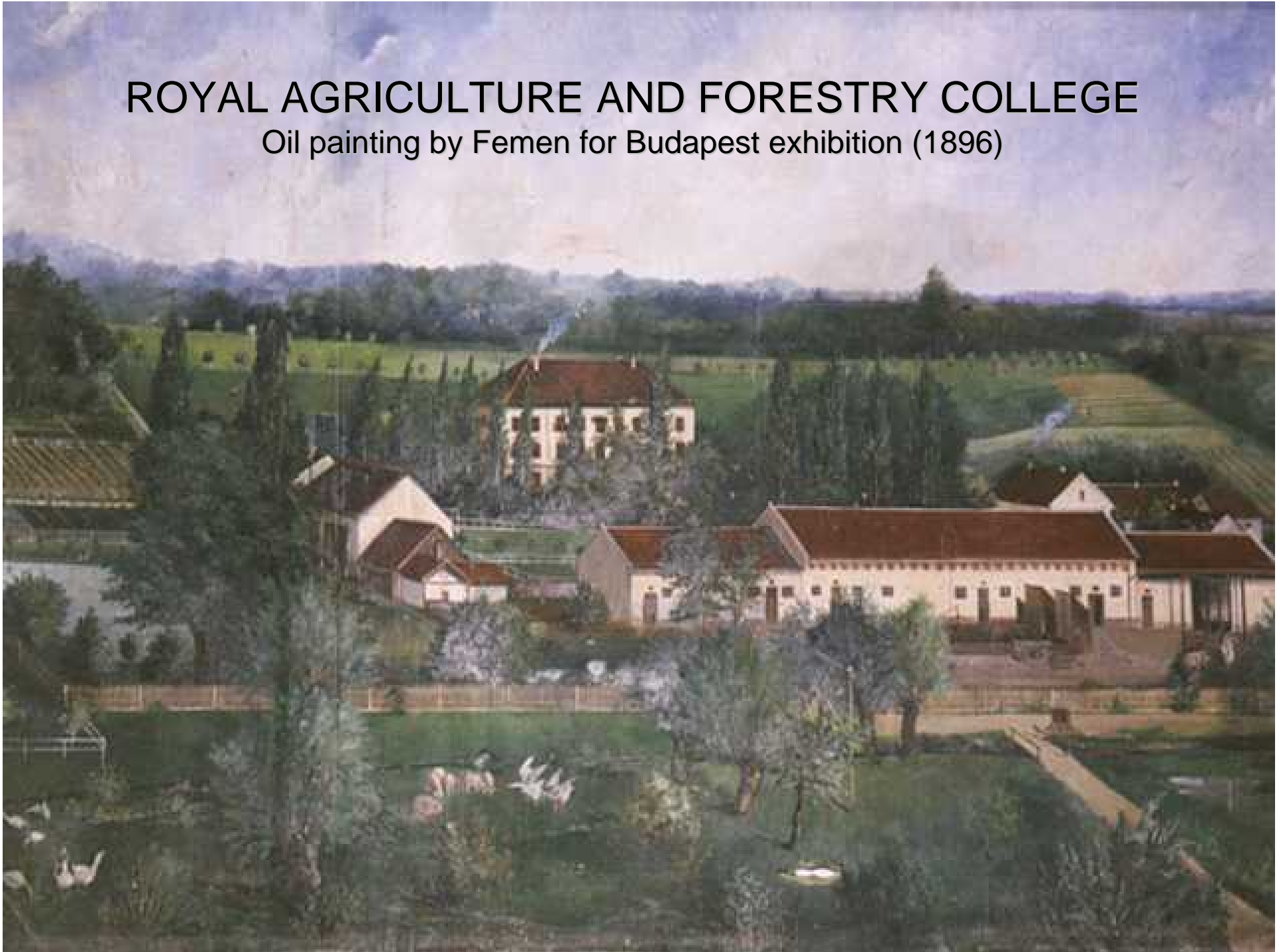
The town of Križevci is in the middle of a beautiful landscape

The Royal Agriculture and Forestry College was established in 1860. The town of Križevci and the College have always enjoyed close links, since the College beginnings to the present day.



ROYAL AGRICULTURE AND FORESTRY COLLEGE

Oil painting by Femen for Budapest exhibition (1896)



- First agriculture and forestry college in the South-East Europe
- Introduction of high-quality plant cultivars
- Beginnings of plant breeding and selection
- Introduction of high-quality animals
- First livestock breeding programmes
- First institutes, laboratories and research stations
- First scientific journal *Gospodarska smotra* (1909)
- First agriculture and forestry manuals and textbooks in Croatian

- 1885 introduction of first Simmental cattle in Croatia
- 1887 first Simmental cattle, a bull and two cows were bought in Switzerland for the Royal Agriculture and Forestry College
- 1888 nine Simmental cattle, 1 bull, 1 heifer, one cow and 6 calves at the College
- 1898 first Simmental Herd Books were formed for the College herd
- 1909 first winter farm school in Sv. Ivan Žabno

158

IZVĚSTJE

KR. GOSPODARSKO-ŠUMARSKOM UČILIŠTU

O RATARSKOJ UČIONI

KRIŽEVCU

ZA PRVIH PET ŠKOLSKIH GODINAH

1860/1, 1861/2, 1862/3, 1863/4 i 1864/5.



U Zagrebu 1865.

Školska tiskarna dr. Upravitelja Upr.

Education Record Book
for the first five years,
1865

Anatomija i životoslovje

DOMAĆE ŽIVOTINJE

u sveobuhvatnom obliku za
gospodarstvo.

Knjaziću

Josip Ubl,

diplomirani liječnik, učitelj anatomije, fiziologije i životoslovlja, dotadašnji i sadašnji
u V. gospodarsko-većnarskoj školi u Zagrebu, čiji sastavnik je u Pragu.

Na 20. tisk.



U Zagrebu.

Artističko-Štamparski zavod Dugesića, Albinovića
1874.

Farm Animals, 1874

Valent Ingenc

valent Ingenc 1892

ŽIVINARSTVO.

BARVAVID

JOSIP UBL,

PROFESOR NA KR. GOSPODAR. ŠKOLI, DOKTOR KEMISTARSKIH ZNANJE IMAJ
OPŠIRNA ZNANJA POLJOPRIVRAGNE INŽENJERJE I ŽIVINARSTVA I PROMETA I
KEMIJE I FIZIKE I MATEMATIKE I DRUGIH ZNANJE.

SA 43 SLIKE.

U ZAGREBU.

NAČELNIK DR. DRV. STAV. DALIB. KR. VLADU.
1892.

Animal Husbandry, 1892

Ant.
UZGOJ STOKE

Čučur
S OSOBITIM OBZIROM NA

HRVATSKU I SLAVONIJU

NAPISAO

STJEPAN JURIĆ

KE VLADE POVIŠENIK ZA GOSPODARSTVO I DOZENAT ZA
ZIVOTNOSTVO NA KE VLADE GOSPODARSKOG ODRUŽENJA
U BUDUVAČI



U ZAGREBU

TRAKOM C. ALBRECHTA ŠKARIČIĆ I NIČARI

1908.

Livestock Raising, 1908

HRVATSKA MARVOGOJSKA UDRUGA U
SV. IVANU ŽABNO.

I.

Zašto i kako je uredjena hrv. marvogojska udruga □ u Sv. Ivanu Žabno? □

Javno predavanje kr. vladinog povjerenika za gospodarstvo, **Stjepana Jurića** u veći izložbe i nagradjivanju stoke 24. 8. 1912. u Sv. Ivanu Žabno.

II.

Početak i korist zimskih □ gospodarskih škola u □ □ Hrvatskoj. □

Pole Dr. **Ljudevit Prohaska**,
profesor stočarstva na kr. v. škole gospodarstvenog učilišta
u Križevcu.

KRIŽEVAC, DR.
TISKARA GUST. NEUBERG.

Why and how was Croatian livestock breeders association established in sv. Ivan Žabno?

Beginnings and benefits of winter farm schools in Croatia



Cattle Raising, 1910

HRVATSKA MARIVOGOSKA BDRUGA
U SV. IVANU ŽABNO.

UZGOJ TELADI.

Napisaó

Dr. Ljudevit Prohaska

profesor na kr. visokim gospodarskim učilištu u Kraljevu.



U vlastitoj nakladi izdala Hrvatska marvogoska
udruženja.

Stijena II 2.—

0 0

TIŠKARA GUST. NEUBERG, KRIZEVCI.

Calf Raising, 1912



Dioničko društvo

Alfa Separator

je prva i najveća tvornica mljekarskih strojeva na cijelome svijetu — Bavi se uređivanjem mljekarstava svake veličine. — Dobavlja sve strojeve, sprave i instrumente za mljekarske svrhe te prodaje prvoklasne sprave za istraživanje i ispitivanje mljeka.

900 primih odlikovanja!
1¹/₂ milijuna Separatora prodano!

Ovi brojevi su najbolja reklama!

Glavno zastupstvo
za Hrvatsku i Slavoniju, Bosnu i Hercegovinu:

Zagreb, Marouska ul. 23.

TELEFON 1182.

Istraživanje



mljeka i mlječnih

proizvoda

17 52 27 40

Brza i jednostavna uputa za tržne nadzornike, gospodare, nitare i mljekare

Sastavio

Milutin Urbani

profesor a. kr. višeg gospodarskog učilišta.

CIJENA K 1 16

TISKAN I NAKLADA DR. NEUBERG-A U KRIZEVCU 1912.

Knjizara „ALAYA“ Brzi Sad



Dr. P. Kellner

OSNOVI NAUKE

o

HRANIDBI STOKE.

III III III

POPULARNO POKAZLO

† DR. PHIL. ET MED. O. KELLNER,

PROF. PUBL. UNIVERZIT. I VUNIVERS. PREDSTAVNIK NAJ. NAJ. POKOLJE. POSLOJE
U MOCHENI.

III III III

SA OŠTIVOM, POVEĆANOM I PROMENJENOM IZDAJENOM
PRVOM

DR. TECHN. VLADIMIR KJEGOVAN.

Dr. Kellner
Križevci
M. K. K. K.
Cyril
M. K. K. K.
C. K. K.

KRIŽEVCI 1914.

TISKAN I NAKLADA DEŠT. NEUBERGA.



5 September 1908 in Lenk, Bern Canton, Switzerland

A group of distinguished men from Croatia who came to Lenk to buy Simmental cattle

Hrvatska marvogojska udruga u Sv. Ivanu Žabno. - Posjet Bugara, 14/6. 1912.



Hrv. marvogojska udruga u Sv. Ivan, Žabno.



Hrvatska Marvogojska Udruga u Sv. Ivanu Žabno.





5 to 8 October 1918 Barn Hotel, Feldkirch

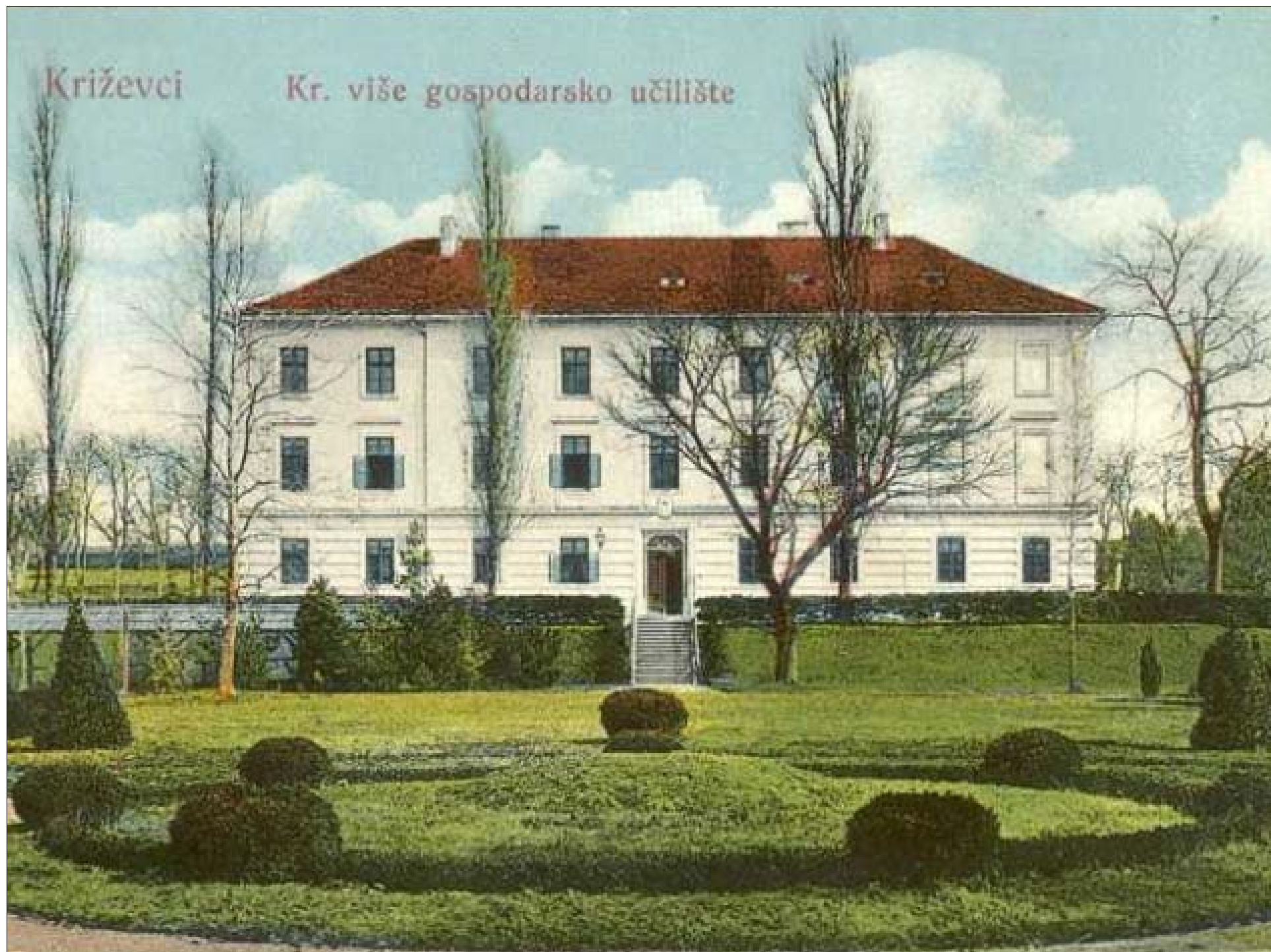
A group of Croats on the way to Switzerland to buy cattle

Križevci — Kr. više gospodarska učilište i ratarnica



Križevci

Kr. više gospodarsko učilište



Main College building around 1902



Ancillary buildings and outer garden



KRIŽEVCI - RATARNICA





Rijeka, Crkva Sv. Križa sa svojim
gosp. školom i gimnazijom

KRIŽEVCI COLLEGE OF AGRICULTURE PROFESSIONAL STUDY COURSES

Biotechnical sciences

- 3 + 2 CYCLE (Bologna process)
- BACHELOR COURSES
- SPECIALIST GRADUATE (MASTER) COURSES
- SHORT COURSES (SPECIALIST SEMINARS)



Education at Krizevci College of Agriculture

- 650 full-time and part-time students
- 53 academic staff
- Range of undergraduate professional courses in rural-based subjects
- Specialist graduate professional course in sustainable and organic agriculture
- Top-up courses
- Short courses (LLL)

Education at Križevci College of Agriculture

Agriculture study courses (3+2)

Professional study courses
3 years
180 ECTS credits

3 courses

Plant Production

Zootechnique

Farm Management



Specialist graduate
professional study
course
2 years
120 ECTS credits

Sustainable
and
Organic Agriculture

LIFE - LONG LEARNING
SHORT COURSES

Upgrading of knowledge of
professional workers
6-8 ECTS credits

SPECIALIST SEMINARS

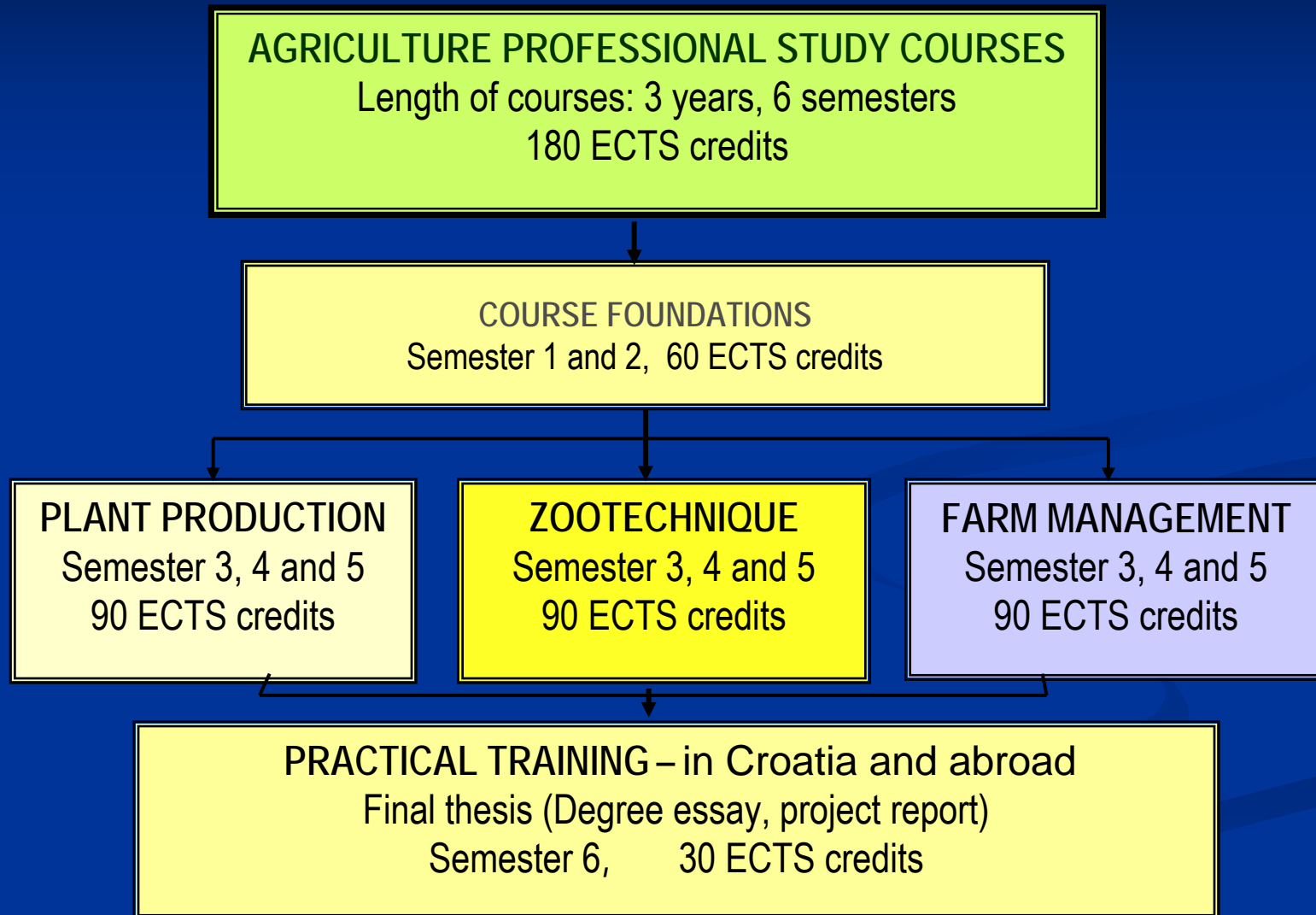
Training of entrepreneurs
(beginners) in agribusiness
Short tailor- made courses for:

- associations of farmers
 - local communities
 - cooperatives and dairies
- 2 – 4 ECTS credits

Objectives:

- *Prepare graduates to work in*
 - Agricultural production
 - Services (processing, marketing, trade, input supplies)
 - Extension / advisory services
 - Rural development organisations

Professional study courses in agriculture (180 ECTS, 3 years)



Course structure

 Lectures 39 %

 Demonstrations and seminars 35 %

 Practical work on College farm and other agricultural estates 26 %



Course description

- Each semester includes 30 ECTS, academic year includes 60 ECTS
- 1 credit equals 15 hours of teaching
- Each semester has 7 modules, and one of the modules is practical training in specific field
- The principle of 60 : 40 in favour of exercises and practical training to lectures was respected
- The relationship between compulsory and optional modules is 75:25

Practical training

- In Semester 1, 2, 3, 4 and 5, apart from theoretical instruction/direct contact hours, students have practical training related to professional modules, mainly at the College farm
- In Semester 6 in March students study Agricultural Policy module (2 ECTS) and are prepared for Practical Training (Work Placement) of 420 hours (28 ECTS) on outstanding farms and agricultural estates/companies in Croatia and abroad

Number of modules

The three courses of the Professional Study Course comprise
104 modules:

14 modules at Course Foundation level
(Year 1, two semesters, 60 ECTS)

30 modules at specific study courses
(Year 2 and 3, Semester 3, 4, 5 and 6, 120 ECTS)

The College staff module coordinators

The College highly qualified staff coordinates
101 modules or 97.12%,
while only 3 modules or 2.88% are coordinated
by the staff from other higher education institutions

On completion of the study course and successful defending of final thesis a student is awarded the title of:

Professional Bachelor (Agr. Eng.) in:

- *Plant Production*
- *Zootechnique*
- *Farm Management*

Job opportunities

- family farms, farm owners and professional managers of agricultural production on these farms
- professionals working on farms that will be organized in cooperatives, stock companies and different family farm associations
- Agricultural Extension Service specialists,
- trade in plant protection agents, agricultural machinery and reproduction materials
- organization of LLL education courses for agriculturalists
- processing and trade of agricultural products – buying, selling, export, import
- auxiliary activities in agricultural inspection

OR

- possibility to continue studies at specialist graduate professional study course level
- possibility (conditioned) to continue studies at university undergraduate and graduate study course level

SPECIALIST GRADUTE PROFESSIONAL COURSE

SUSTAINABLE AND ORGANIC AGRICULTURE

Length : **2 years** (120 ECTS)

Semester 1 Course foundations (30 ECTS)

All modules compulsory

Semester 2 and 3 (60 ECTS)

Students study two compulsory and three optional modules

Semester 4 (30 ECTS)

Specialist professional practical training in outstanding companies and enterprises and other land-related industries

Final thesis

Number of modules

22 modules: 10 compulsory modules
12 optional modules, of which students study 6

The College staff module coordinators

College qualified staff coordinate 16 modules or 73 %
Only 6 modules or 27 % are coordinated by the staff from
other Higher Education institutions

Short courses and specialist seminars

- Upgrade knowledge of professional workers in land-based industries
- Train entrepreneurs in agribusiness
- Duration: around two months (up to 70 hours)
- Delivery: over weekend (Saturday and Sunday)
- Theory + specialist practical training
- Teaching staff: KCA, Faculty of Agriculture (Zagreb), Agricultural Faculty (Osijek), Croatian Agricultural Extension Institute, Croatian Livestock Centre, Ministry of Agriculture, Forestry and Water Management
- **Certificate**

Learning facilities

12500 m²

- Classrooms fully equipped with computers and Internet access
- Library with reading room
- College farm (practicums)
- Laboratories
- Workshops





College Library

Internet cafe



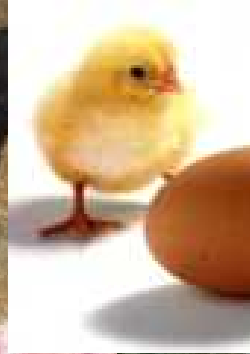
LABORATORIES

Wine analysis
Soil science
Chemistry



College farm 96 ha arable land





The College farm is a valuable educational resource

Poultry unit



Cattle Unit





A flock of sheep



College Dairy



Practical training on a fish farm

Sports and Games



International cooperation

Projects

Study visits

Practical training

Staff exchange

Students exchange

Study tours





VISOKO GOSPODARSKO
UČILIŠTE U KRIŽEVcima
1860-2005

Tempus project

*Development of Professional BSc and MSc Course and Short
Professional Courses in Farm Production and Management
JEP-19052-2004*

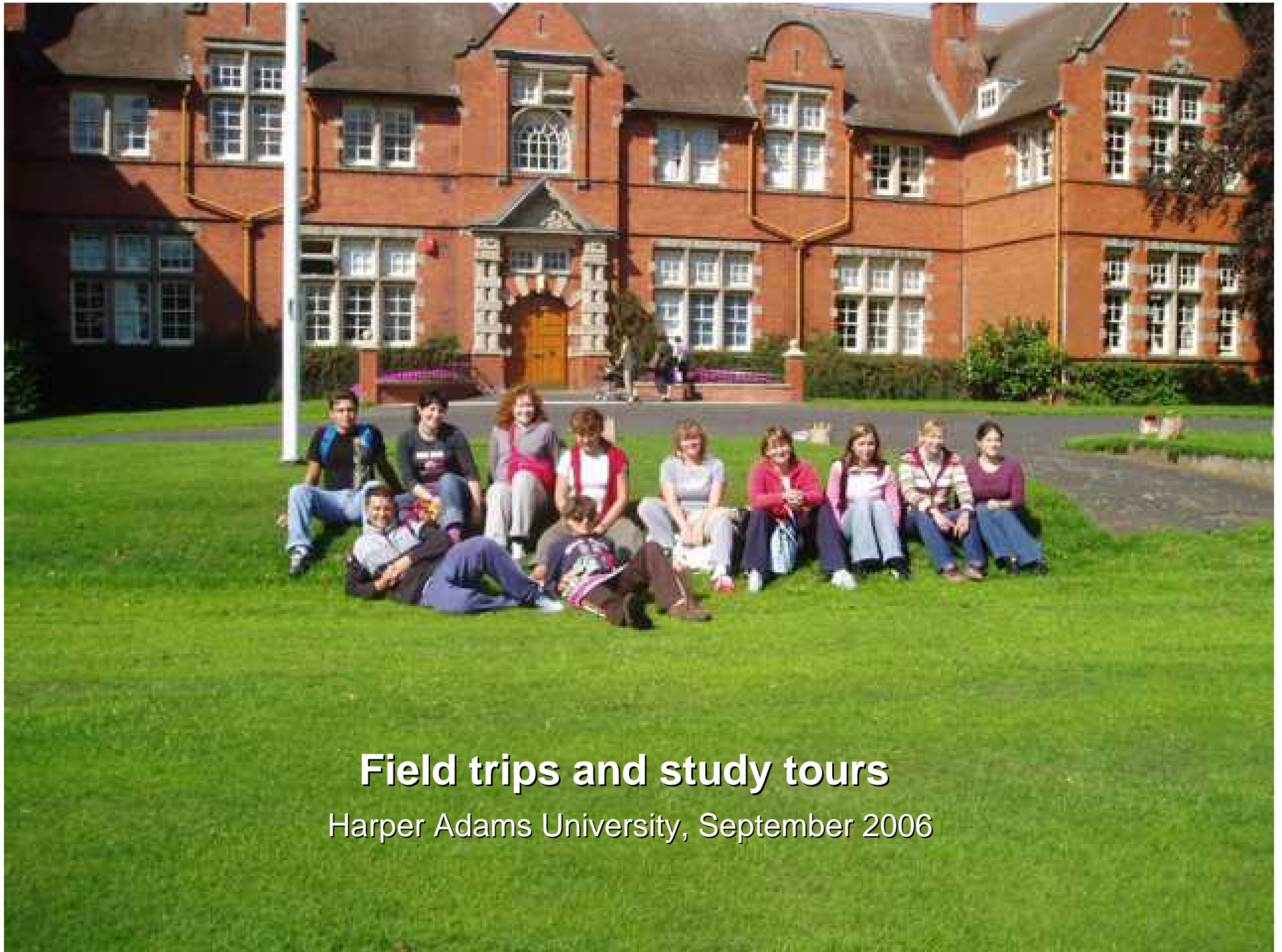


INTERREG IIIA Keszthely 2007
Development Features of Cross-Border Regions

SEEDNet PROJECT

South East European Development Network
Gene Bank of Vegetable Seeds





Field trips and study tours

Harper Adams University, September 2006

Austria, Guissing 2005



**Fermes en scene
France, 2004**





A visit of French students



Students exchange programme

Muuruvesi College in
Finland



Students exchange programme

Larenstein University of Professional Education, Wageningen

Dutch students at KCA



Current trends at KCA

- Development of new professional courses (Bachelor and Master Level)
 - Entrepreneurship economics*
 - Rural Development/ Agritourism*
 - Small business management*
 - Marketing and Management in Agriculture*
- Development of new joint (international) courses
- Development of Quality Assurance system (internal and external evaluation)
- Shift from teacher-centred approach to student-centred approach
- Staff training
- Increase in the number of students
- New hall of residence
- Establish National Training Centre for LLL
- Increase the number of students and staff exchange with HE institutions
- European dimension at KCA