



**Szkoła Główna Gospodarstwa Wiejskiego**

---



**Doświadczenia z realizacji programu TEMPUS na  
Wydziale Inżynierii i Kształtowania Środowiska SGGW**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS No. 2150 (1991-1994)**

**Title: Interuniversity coordinating forum for (East-West) cooperation in the area of environment, water and agricultural soils (EWA-Ring)**

**Partners:**

- Wageningen University, NL - coordinator and contractor
- Vrije Universiteit Brussel, B
- Universiteit Gent, B
- University Hannover, D
- University Braunschweig, D
- University of Coimbra, P
- Agricultural University Wroclaw, PL
- Technical University of Cracow, PL
- Warsaw Technical University, PL
- Agricultural University of Warsaw, PL
- Polish Academy of Science, Poznan, PL
- University for Agricultural Science, Gödöllő, H
- Technical University of Budapest, H
- Technical College of Baja, H
- Agricultural University of Nitra, SK
- Czech Technical University of Prague, CZ
- University of Agriculture, Prague, CZ
- University of Warsaw, PL
- Agricultural Academy Poznan, PL
- Technical University of Poznań, PL
- Agricultural University of Cracow, PL
- Agricultural University Debrecen, Szarvas, H
- Universität für Bodenkultur, Wien, A
- Swedish University of Agr. Science, Vindeln, S
- Technical University Delft, NL



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS No. 2150 (1991-1994)  
(EWA-Ring)**

**Partnerzy: 25**

EU 9 (7 krajów)

PL 8 (7 uczelni + PAN)

Europa centralna 16 partnerów – 4 kraje

**Budżet: 1,340.000 EUR**

**Mobilities:**

	Studenci	Pracownicy
E > W	123	153
W > E	34	56
E > E	4	15

Intensywne kursy – 7 (PL, CZ, H, P)



# Szkoła Główna Gospodarstwa Wiejskiego



TEMPUS ECEE No. 4988 (1992-1995)

**Title:** European Cooperation for Environmental Education (ECEE)

**Partners:**

- Agricultural University Nitra, SK - coordinator
- Wageningen University, NL - contractor
- University of Rostock, D
- Agricultural University of Cracow, PL
- University of Agriculture in Debrecen, Debrecen, H
- University of Agriculture in Debrecen, Szarvas, H
- Research Institute of Irrigation Szarvas, H
- Technical College of Baja, H
- Technical University of Poznan, PL
- University of Agriculture, Prague, CZ
- West Virginia University, USA
- Agricultural University of Warsaw, PL
- Technical University in Zvolen, SK
- College Llysfasi, Ruthin, UK
- Technical University of Denmark, D



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS SWARP, No. 7862 (1994-1997)**

**Title: Joint Curricula Development for Soil and Water Resources Protection (SWARP)**

**Partners:**

- **Agricultural University of Warsaw, PL - coordinator**
- **Wageningen University, NL - contractor**
- **University of Warsaw, PL**
- **Warsaw Technical University, PL**
- **Agricultural University of Cracow, PL**
- **Technical University of Cracow, PL**
- **Agricultural University Wroclaw, PL**
- **Agricultural Academy Poznań, PL**
- **Technical University of Poznań, PL**
- **Polish Academy of Sciences, Poznań, PL**
- **PETROBALTIC Oil & Gas Exploration Production, Gdansk, PL**
- **Vrije Universiteit Brussel, B**
- **Rijksuniversiteit Gent, B**
- **University of Hannover, D**
- **Universität Carolo-Wilhelmina, Braunschweig, D**
- **University of Rostock, D**
- **University of Coimbra, D**
- **Valencia Technical University, S**
- **GEOPS Consulting Company, Arnhem, NL**
- **Agrar und Hydrotechnik GmbH, Essen, D**
- **Universtät für Bodenkultur, Wien, A**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS PANSED, No. 9206 (1995-1998)**

**Title: Polish Agricultural Universities Network for Sustainable Environmental Development (PANSED)**

**Partners:**

- Warsaw Agricultural University SGGW, PL - coordinator
- Wageningen University, NL - contractor
- Szczecin Agricultural University, PL
- Olsztyn University of Agriculture and Technology, PL
- Lublin University of Agriculture, PL
- Bydgoszcz Academy of Technology and Agriculture, PL
- Rijksuniversiteit Gent, B
- Free University of Brussel, B
- University of Hannover, B
- University of Braunschweig, B
- Universität für Bodenkultur Wien, A
- College Llysfasi, UK
- Katholieke Universiteit Leuven, B
- University of Utrecht, NL
- Technical University of Milano, I
- Technical University of Denmark, DK
- TECHWARE, Brussel, B
- GEOPS Consulting Company, NL
- Richards, Moorehead & Laing Ltd, UK
- Grontmij Consulting Engineers, NL
- VKI Water Quality Institute Hørsholm, DK
- Bord na Móna, IRL
- Bureau for Agricultural Water Management Studies (BIPROMEL), PL
- Bydgoszcz Voivodeship, PL
- Municipality Pruszcz Gdański, PL



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS STEEM, No. JEP11463 (1996-1999)**

**Title: Interdisciplinary Study Programme in Environmental Engineering and Management**

**Partners:**

- **Warsaw Agricultural University SGGW, PL - coordinator**
- **Wageningen University, NL - contractor**
- **Agricultural Pedagogical University in Siedlce, PL**
- **Ministry of Environmental Protection, PL**
- **Ministry of Agriculture and Food Economy, PL**
- **Foundation of Assistance Programmes for Agriculture, PL**
- **National Fund for Environmental Protection and Water Management, PL**
- **Bureau for Agricultural Water Management Studies (BIPROMEL), PL**
- **Warsaw City Hall, PL**
- **GEOTEKO-Geotechnical Consultants Ltd. PL**
- **Aristotle University of Thessaloniki, GR**
- **Hamburg Technical University, D**
- **Utrecht University, NL**
- **Universität für Bodenkultur, A**
- **University of Wales Bangor, UK**
- **Swedish University of Agricultural Sciences, SE**
- **Helsinki University of Technology, FI**
- **AHT International GmbH, D**
- **Provincie Gelderland, NL**
- **Grontmij Consulting Engineers, NL**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS INQA, No. UM\_JEP 13374-98 (1998-2000)**

**Title: Introduction of QA System and ECTS at Two Polish Universities**

## **Partners:**

- **Warsaw Agricultural University SGGW, PL -coordinator**
- **Wageningen University, NL - contractor**
- **Poznań Agricultural University, PL**
- **Universität für Bodenkultur, A**
- **University Gent, B**
- **Hamburg Technical University, D**
- **Institute of Modern Civilisation, PL**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS DECES No. IB\_JEP 13305-98 (1998-2000)**

**Title: Development of Training Centre on EU Pre-accession Strategy**

**Partners:**

- **Warsaw Agricultural University SGGW, PL - coordinator**
- **Wageningen University, NL - contractor**
- **Ministry of Environmental Protection, Natural Resources and Forestry, PL**
- **Ministry of Agricultural Food Economy, PL**
- **National Fund for Environmental Protection, PL**
- **University of Rostock, D**
- **Province Gelderland, NL**
- **Techware, B**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS EULAND No. IB\_JEP-14416-1999 (1999-2001)**

**Title: European Expertise in Land Management (EULAND)**

## **Partners:**

- **Warsaw Agricultural University SGGW, PL - coordinator**
- **Wageningen University, NL – contractor**
- **AGORA – Gazeta Wyborcza, PL**
- **Association of Polish Surveyors, PL**
- **Head Office of Geodesy and Cartography, PL**
- **Ministry of Agriculture and Food Economy, PL**
- **Office of the Committee for European Integration, PL**
- **University of Lodz, PL**
- **Voiévodie de Lublin, PL**
- **BEV – Bundesamt für Eich- und Vermessungswesen, A**
- **AHT International GmbH, D**
- **Cadastre and Public Registers Agency, NL**
- **DLG – Service for Land and Water Management, NL**
- **Dutch Association of surveyors, NL**
- **Institute of Agricultural Law, NL**
- **Province Gelderland, NL**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS Complementary Measures Project: CME-01045/95  
(October 1995 - October 1996)**

**Title: Environmental, Water Resources and Agricultural Soil Studies a Regional Advisory Board (EWARAB)**

**Partners:**

- **Warsaw Agricultural University SGGW, PL - coordinator**
- **Wageningen University, NL - contractor**
- **Council of Ministers, Warsaw, PL**
- **TECHWARE, Bruxelles, B**
- **Valencia Technical University, E**
- **Universiteit Gent, B**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS Complementary Measures Project: CME-01054/95  
(October 1995 - October 1996)**

**Title: Feasibility study on interfaculty curriculum on "Environmental Protection"**

## **Partners:**

- **Warsaw Agricultural University SGGW, PL - coordinator**
- **Wageningen University, NL - contractor**
- **Rijksuniversiteit Utrecht, NL**
- **Universität für Bodenkultur Wien, A**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS Compact Measures Project: CME-3053/97**

**Title: Restructure of Department of International Cooperation at the Warsaw Agricultural University**

## **Partners:**

- **Warsaw Agricultural University SGGW, PL - coordinator**
- **Wageningen University, NL - contractor**
- **Free University Brussels, B**
- **University Gent, B**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS SWARP-ICT No.-CD\_JEP-21051-2000 (2001-2004)**

**Title: Curricula Development on Soil and Water Resources Protection Using Information and Communication Technologies (SWARP-ICT)**

**Partners:**

- The Moscow State University of Environmental Engineering, Moscow, RF - coordinator
- Wageningen Universiteit, NL - contractor
- Brandenburgische Technische Universität Cottbus, Cottbus, D
- Curriculum Association of Russian Universities in the Field of Environmental Engineering, Moscow, RF
- Deakin University, Warrnambool, AUS
- Engineering Research Centre on Water Management, Land Reclamation and Ecology, Moscow, RF
- Ministry of Agriculture and Food, Moscow, RF
- Ministry of Natural Resources, Moscow, RF
- Moscow-Oka River Basin Administration, Moscow, RF
- Saratov Oblast Committee of Natural Resources, Saratov, RF
- Saratov State Agrarian University named after M.I. Vavilov, Saratov, RF
- State Enterprise Russian Institute for Land Management and Ecosystem Monitoring, Moscow, RF
- State University of Land Management, Moscow, RF
- University of Agriculture Science Institute of Agricultural Economics, Wien, A
- University of Maryland at College Park, Maryland, USA
- VOLGA Ltd Consulting Engineers, Moscow, RF
- Ecole Nationale des Ponts et Chaussées, Marne la Vallée, F



**TEMPUS DESPES No.CD\_JEP-22124-2001 (2002-2005)**

**Title: Development of Study Programme in the Area of Environmental Science at three Uzbek Universities - DESPES**

**Partners:**

- **Wageningen Universiteit, NL – coordinator and contractor**
- **Andijan Institute of Agriculture, Andijan, UZB**
- **Tashkent Institute of Irrigation and Melioration (TIIM), UZB**
- **Tashkent State University of Agriculture, Tashkent, UZB**
- **Llysfasi College of Agriculture, UK**
- **Technische Universität Hamburg-Harburg, Hamburg, D**
- **Universität für Bodenkultur Wien, Wien, A**



**TEMPUS EWASIA CD\_JEP 23172 (2003-2006)**

**Title: Development of International MSc Programme on Environment and Water Resources Management in Central Asia (EWASIA)**

**Partners:**

- **Wageningen University, NL - contractor**
- **Tashkent Institute of Irrigation and Melioration (TIIM), UZB – coordinator Tashkent State University of Agriculture (TSAU), UZB**
- **Magtymguly Turkmen State University (TSU), Ashgabat, TME**
- **Turkmen Agricultural University (TAU), Ashgabat, TME**
- **International Water Management Institute Central Asia and Caucasus sub office (IWMI-CAC), UZB**
- **Ministry of Agriculture and Water Resources of the Republic of Uzbekistan (MAWR), UZB**
- **Ministry of Higher and Secondary Specialised Education of the Republic of Uzbekistan (MHSSE), UZB**  
**Universität für Bodenkultur Wien, (BOKU), A**
- **International Institute for Infrastructural, Hydraulic and Environmental Engineering, Delft (IHE), NL**
- **United Nations Educational, Scientific and Cultural Organisation (UNESCO), F**
- **Scientific-Information Centre of Interstate Commission for Water Coordination (SIC ICWC), UZB**
- **Ohio State University, Columbus, USA**



# Szkoła Główna Gospodarstwa Wiejskiego



**TEMPUS SQAD UM\_JEP 23042 (2003-2005)**

**Title: System of Quality Assurance Development at the Kazakh and Russian Agricultural Universities**

## **Partners:**

- **Wageningen University, NL - contractor**
- **Kazakh National Agrarian University, Almaty, KAZ**
- **Land Use Planning University, Moscow, RF**
- **Ministry of Agriculture of the Russian Federation, Moscow, RF**
- **Ministry of Education and Science, Astana, KAZ**
- **Technische Universität Hamburg-Harburg, Hamburg, D**
- **Universität für Bodenkultur Wien, Wien, AT**



---

**TEMPUS SWARP-ICT CD\_JEP-30117 (2003-2006)**

**Title: Curricula Development on Soil and Water Resources Protection Using Information and Communication Technologies (SWARP)**

**Partners:**

- **Wageningen University, NL - contractor**
- **Université Mohammed V, Agdal, MA - coordinator**
- **Aristotle University of Thessaloniki, GR**
- **Vrije Universiteit Brussels, B**



**TEMPUS IQAR UM\_JEP 24160 (2004-2007)**

**Title: Integration of QA System at the Russian Agricultural Universities**

**Partners:**

- **Wageningen University, NL – contractor and coordinator**
- **University of Natural Resources and Applied Life Sciences (BOKU), AT**
- **Moscow Timiryazev Agricultural Academy, RF**
- **Moscow State University of Environmental Engineering, RF**
- **Karbardino-Balkarian State Agricultural Academy (KBSAA), RF**
- **Ministry of Education, Nalchik, RF**
- **Curriculum Association of Russian Universities in the Field of Environmental Engineering,**
- **Moscow, RF**
- **UNESCO-European Centre for Higher Education (UNESCO-CEPES), RO**
- **Foundation “Quality Assurance Netherlands Universities”, Utrecht, NL**
- **University of Agricultural Sciences, Warsaw, PL**



1. **SM\_SCM-T038A05-2005**  
Design of a Quality Assurance System in Uzbekistan (DESTAN)  
15/10/2005-14/10/2006
2. **SM\_SCM-T031A05-2005**  
Development of a Quality Assurance System at Ukrainian Universities (DASAU)  
15/10/2005-14/10/2006
3. **CM\_SCM-T030B05-2005**  
Dissemination of Quality Assurance System at Kazakhstan Universities (DISKAZ)  
15/05/2006-14/03/2008
4. **CM\_SCM-T031B05-2005**  
Dissemination on Quality Assurance Systems at Russian Universities (DISRUS)  
15/05/2006-14/05/2008
5. **SM\_SCM-T050A06-2006 (KZ)**  
Development of a PhD Program in agriculture in Kazakhstan (DEVAKAZ)  
15/10/2006-14/07/2008
6. **CM\_SCM-T053B06-2006 (UA)**  
Training courses in Ukraine on Bologna process (UKRABOL)  
15/06/2007-14/10/2008



**7. CD\_JEP-26168-2005**

**Development of Eco Engineering ICT-based MS Program (DEEP)  
1/9/2006 – 31/8/2009**

**8. IB\_JEP-27165-2006 (RU)**

**Development of Land Management Life-long Education (DELAM)  
1/9/2007 – 28/02/2010**

**9. CD\_JEP-27166-2006 (RU)**

**Elaboration of Food Safety Educational Two-level Program (EFFECT)  
1/9/2007 – 28/02/2010**

**10. 159188-TEMPUS-1-2009-1-PL-TEMPUS-JPCR**

**Environmental curricula at agricultural universities (ENAGRA)  
15/1/2010 – 14/1/2013**



**11. JEP-34033-2006**

**MSc in Environment and Water Resources Management at Alexandria University  
(MEWAR)**

**1/04/2007 – 28/02/2010**

**12. 145688-TEMPUS-2008-BE-SMHES**

**Central Asian Network for Quality Assurance and Accreditation (CANQA)**

**15/01/2009 – 14/01/2012**

**13. 158982 – TEMPUS – ES – TEMPUS – JPCR**

**Towards Sustainable Water Resources Management in Central Asia (SWAN)**

**15/01/2010 – 14/01/2013**



- **Development of EcoEngineering ICT-based MS Program (DEEP)**
- **Contract nr CD\_JEP-26168 - 2005**
- **Contractual period:**  
**1 September 2006 – 31 August 2009**



## **Project objective:**

Development of two-level Ecological Engineering curriculum at Russian Universities



## Main beneficiaries:

- Russian State Agricultural University - Moscow Timiryazev Agricultural Academy
- Moscow State Lomonosov University
- Vladimir State University
- Kursk Regional Ecological Inspection
- All Russian Research Institute of Agricultural Radiology and Agroecology
- Dokuchaev Soil Science Society
- Ministry of Education and Science



# Szkoła Główna Gospodarstwa Wiejskiego

---



## EU partners:

- National School of Higher Agronomy Studies, Advanced Technology,
- Resources and Study National Centre - CNERTA, FR
- The Royal Veterinary and Agricultural University - KVL, DK
- University of Natural Resources and Applied Life Sciences - BOKU, AT
- Wageningen University - WUR, NL



## Outcomes:

- Development of Bachelor and Master programs on Ecological Engineering
- Institutional capacity building – created a training unit
- Pilot Bachelor student training
- Dissemination
- Sustainability
- Quality control and monitoring
- Management



## Activities:

### 1. Developed Bsc and Msc programs on Ecological Engineering

- 1.1 Assessment of existing curricula and training needs
- 1.2 Elaboration of Bsc and Msc curricula
- 1.3 Development of courses
- 1.4 Development of distance learning methodology
- 1.5 Approval of new programs by Partner university



## **2. Institutional capacity building created a training unit**

- 2.1 Staff mobilities E-W and W-E
- 2.2 Short intensive courses for staff
- 2.3 Upgrading of teaching laboratories
- 2.4 Library upgrading and data base creation
- 2.5 Development of MEED Center

## **3. Pilot Bachelor student training**

- 3.1 Pilot Bachelor study implemented
- 3.2 Short intensive courses for students
- 3.3 Student mobilities E-W
- 3.4 Pilot Bachelor study programs evaluation



## 4. Dissemination

- 4.1 Dissemination seminars
- 4.2 International dissemination

## 5. Sustainability

- 5.1 Introduction of two-level study programs

## 6. Quality control and monitoring

- 6.1 Assessment of project management
- 6.2 Assessment of staff mobilities
- 6.3 Evaluation of Msc and Bsc curricula

## 7. Management of the project

- Planning
- Executing
- Informing



## Inputs:

### 1. Staff costs

- Academic (elaboration of curricula, development of courses, development of distance learning materials)
- Administrative (project management)

### 2. Travel & Stay costs (total - 69 flows)

- 39 x W - E
- 24 x E - W
- 6 x E - E

### 3. Printing & Publishing costs

- Study programs, course syllabi, teaching materials, reports, questionnaires

### 4. Other costs

- External translation, visa



# Szkoła Główna Gospodarstwa Wiejskiego



## Budget:

Category	Maximum Tempus funding
I Staff costs	€ 144,900.00
II Travel costs and costs of stay	€ 186,800.00
III Equipment	€ 100,000.00
IV Printing and publishing	€ 12,900.00
V Other costs	€ 8,440.00
VI Overheads	€ 30,000.00
<b>OVERALL TOTAL</b>	<b>€ 483,040.00</b>



# Szkoła Główna Gospodarstwa Wiejskiego



## Reporting:

Reports and Pre-financing		Deadlines
1 <sup>st</sup> Report	Report on the action's implementation Summary report for publication	<b>15/04/2007</b>
2 <sup>nd</sup> Report	Report on the action's implementation Summary report for publication	15/03/2008
2 <sup>nd</sup> pre- financing	Statement on the costs incurred	When 70% of the 1 <sup>st</sup> pre-financing has been disbursed
3 <sup>rd</sup> Report	Final report on the action's implementation Summary report for publication Financial statement	30/10/2009



**Reallocation of mobility costs from Outcome 3 “Pilot Bachelor student training”.**

## **1<sup>st</sup> Outcome – Development of Bachelor and Master Programs on Ecological Engineering**

<b>Activity</b>	<b>Start date</b>	<b>End date</b>	<b>Amount</b>
1.3. Development of courses. Courses syllabi and course books	February 2007	July 2009	14 490 €

## **2<sup>nd</sup> Outcome – Institutional capacity building – created a training unit**

<b>Activity</b>	<b>Start date</b>	<b>End date</b>	<b>Amount</b>
2.1. Staff mobilities E-W and W-E	February 2007	October 2009	40 676 €
2.3. Upgrading teaching laboratories	February 2009	July 2009	10 000 €



## 4<sup>th</sup> Outcome – Dissemination (Approved DG-EAC/A5/KH/mm D(2008)R.4844)

Activity	Start date	End date	Amount
4.1. Dissemination seminars. May Conference approved by ETF	May 2008	May 2008	13 600 €

## Printing and Publishing

Activity	Start date	End date	Amount
Developed text books	April 2009	August 2009	1 290 €

## Other costs

Activity	Start date	End date	Amount
Translation, visa costs	January 2007	August 2009	844 €

**Total reallocated from Outcome 3 “Pilot Bachelor student training”**

**Mobility costs 80 900 €**



## ANNEX II Estimated budget of the action

	Original Application €	Revised budget €	%
<b>I</b> STAFF COSTS (INCL. REPLACEMENT COSTS)	144,900.00	159,390.00	+ 10 %
<b>II</b> TRAVEL COSTS AND COSTS OF STAY (INCL. STUDENTS)	186,800.00	160,176.00	- 14,25 %
<b>III</b> EQUIPMENT	100,000.00	110,000.00	+ 10 %
<b>IV</b> PRINTING AND PUBLISHING	12,900.00	14,190.00	+ 10 %
<b>V</b> OTHER COSTS	8,440.00	9,284.00	+ 10 %
<b>VI</b> INDIRECT COSTS	30,000.00	30,000.00	---
<b>VII</b> PROJECT EXPENDITURE OF THE BENEFICIARIES	25,425.00	25,425.00	---
<b>A.4 TOTAL ELIGIBLE COSTS</b>	<b>€508,465.00</b>	<b>€508,465.00</b>	



# Szkoła Główna Gospodarstwa Wiejskiego

---



## **Korzyści:**

- **Dydaktyczne**
- **Rozwój zasobów ludzkich**
- **Instytucjonalne**
- **Tworzenie sieci partnerskich**