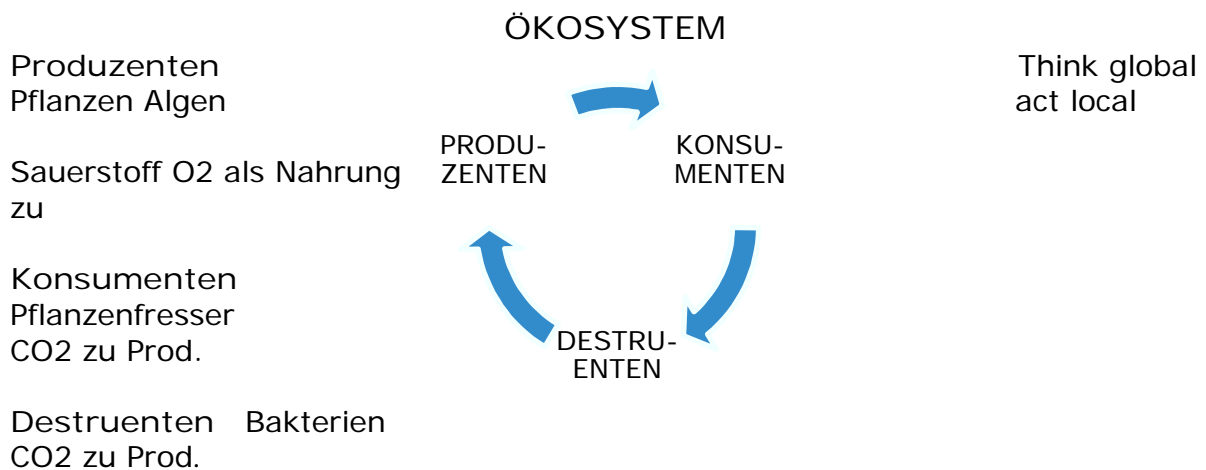


## 1.. INTRODUCTION

### PERMACULTURE

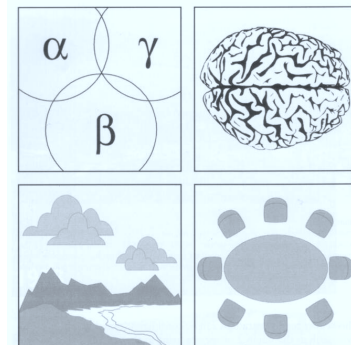
Permaculture is a combination of two words: 'Permanent agriculture'. Mollison says that culture without sustainable agriculture and ethics of the soil cannot survive.<sup>1</sup> *Permaculture is a design system but the engineering principles followed are those of life, for creating sustainable human environments*<sup>1</sup> The word Permaculture was coined by Bill Mollison and David Holmgren in the mid-1970s to describe consciously designed landscapes which mimic the patterns and relationships found in nature. There are four pillar policies of ecological, economic, technical and social issues, which describe the main basic principles.

- Ecology: Use and value diversity, Use and value renewable resources and services, use edges and value the marginal.
- Economy: Each element in a system performs multiple function. Every function is placed in relationship to other elements. Design from patterns to details (zoning, housing, regions etc.)
- Technical: Catch and store energy, produce no waste (refuse, reduce, reuse, repair, recycle)
- Social: Care for the earth, care for the people, set limits to consumption and reproduction, and redistribute surplus.



### LEARNING ABOUT TRANSDISCIPLINARITY

- (i) Different disciplines in order to Establish interdisciplinarity
- (ii) Different systems and compartments To allow an encompassing, holistic Consideration (water, soil, vegetation)
- (iii) Different qualities of thought such as intuition and analysis, indicated by the right and left brain hemisphere
- (iv) Different interests of stakeholders, indicated by the round oval table.



<sup>1</sup> MOLLISON, Bill (1991): Introduction to Permaculture. Tyalgum: Tagari Publications. ISBN 0 908228 05 8



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## 2.. PARTICIPANTS – PDC-AS – September 13<sup>th</sup> – 29<sup>th</sup> 2012

### BOKU WIEN

AT - Luis Eduardo **Ramirez** Camargo –  
AT - Boris **Mihatsch** - organisation  
AT – Werner **Kvarda** - IBF organisation  
AT – Winfried E.H. **Blum** - IBF  
AT – Sophie **Zechmeister Boltens**tern  
AT – Agnes **Liebl** - **ZIB** monitoring  
AT – Dora Rebeka **Kertesz** – e-learning  
AT – **Harter** Ewald - moodle – e-learning  
AT – Claus Rainer **Michalek** – e-learning  
AT – **Hopmeier** Beate – rectorate  
AT – **Wogowitsch** Christine  
AT – **Pfaffenwimmer** Günther - BMUKK  
AT- **Treberspurg** Martin –IKI  
AT – **Grünner** Roman - IKI

### TU Wien

AT – **Scheuven** Rudolf - IFÖR

### COMMUNITY OF VIENNA

AT - Kurt **Puchinger** -  
AT - Jürgen **Preiss** – MA 22  
AT – **Scheid** Norbert-District represent.  
AT – **Spiess** Christine – Project Man.

### ASPERN DEVELOPMENT AG – Wien 3420

AT - Kurt **Hofstetter**  
AT – Melitta **Böhm**  
AT - Katarina **Salzgeber** - Marketing  
AT – **Gallich** – Infrastruktur

### CONTENASSOCIATES

AT – **Aschwanden** Daniel  
AT – **Burkhardt-Bodenwinkler** Ute

### BUNDESHEER

AT – **Berger** Andreas  
AT – **Poppe**

### LECTURER & ADVISOR

SK - Maros **Finka**  
SK - Matej **Jasso**  
SK - **Kubo** Ladislav  
HU - **Csemez** Attila  
HU - Agnes **Sallay**  
UK - Peter **Harper**  
RS - Velimir **Secerov**  
RS – Borislav **Stojkov**  
DE - Florian **Ballnus** (Danube strat.)  
SI - Tomaz **Prus**  
SI - Tatjana **Capuder Vidmar**  
HR - Kornelija **Pintaric** (Danube Strat.)  
HR - Ivica **Kisic**  
IS - Kristin Vala **Ragnarsdóttir**  
PT – José Manuel **Henriques**  
AT - Reinhard **Engelhart** - Permakultur  
AT - Siegfried **Tatschl** - Permakultur

### OEAD

AT - **Petri**  
AT- Oesterbauer

### STUDENTS (30)

#### 1-AT – (6)

+ Christine **Gritsch** IBF  
+ Uitz Markus  
+ TU Wien  
+ TU Wien  
+ Scheifele Michael

#### 2-HU – (3)

+ ( István **Valánszki**)  
+ Áron **Szabo** [aron.szabo@uni-corvinus.hu](mailto:aron.szabo@uni-corvinus.hu)  
+ **Takács** Dániel: [daniel.takacs@uni-corvinus.hu](mailto:daniel.takacs@uni-corvinus.hu)  
+ **Szöbölödi** Anita: [anita.szobolodi@uni-corvinus.hu](mailto:anita.szobolodi@uni-corvinus.hu)

#### 3- SI – (7)

+ Tanja **Štajdohar**  
+ Petra **Grmek**:  
+ Ziga **Abra**  
+ Anja **Derzic**  
+ Sandra **Pintar**  
+ Nejc **Flojanc**  
+ Dane **Štukl**  
+ ŠTRUCL Matej

#### 4 - SK- (4)

PhD students  
Marek Schweigert  
Lubos Molitoris  
Lucia Levakova  
Graduate students:  
Martin Pagac  
Attila Toth  
Anita Veghova  
Marika Ticha  
Veronika Goldsteinova

#### 5 – HR (4)

+ **Bilandzija** Darija - PhD  
+ **Plantak** Petra  
+  
+

#### 6 - IS - (3)

+ (Taru **Lehtinen**) contact BOKU  
+ Jón Örvar **Geirsson Jónsson** PhD  
+ María **Svavarsdóttir**  
+ Herdís Unnur Valsdóttir MSc

#### 7 - PT – (3)

+ **Mota** Antonio Barro  
+ **Schwambach** Roberta (Brasilia)  
+ **Chabur** Angelika Lesmes (Columbia)

#### 8 - RS –

+ Milan **Radovic**  
+ Marija **Mandić**  
+ Marijana **Petrović**  
+ Bojana **Dakić**



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**3.. 4.6 WORK PROGRAMME**

**Sept. 13th – Sept. 29th 2012**

Days	Time schedule 8:00 – 12:00	Time schedule 14:00 – 18:00
Wedns. 12 <sup>th</sup>		Fetching the car at BOKU – VW- Kombi W-26169W (9 persons) –
(1) Thurs. 13 <sup>th</sup> Sept.	<b>ARRIVAL</b> of the participants in Aspern-Seestadt.	Tonight first introduction and finding common ground
(2) Friday Sept. 14 <sup>th</sup>	<b>EXCURSION</b> Visiting Aspern-See-stadt project. Former airfield, the lake, subway, gardens, surrounding village.	<b>EXCURSION</b> to the enter-prise of regional agricultural products. ADAMAH <a href="http://www.adamah.at/">http://www.adamah.at/</a>
(3) Saturday Sept.15 <sup>th</sup> 2012	<b>EXCURSION</b> Seed Savers Association 'Arche Noa' <a href="http://www.arche-noah.at/">www.arche-noah.at/</a> in Schiltern. Visiting Siggı Tatschl - and 'Alchemistenpark' for edible landscape in Kirchberg am Wagram.	Finally getting to know the biofarm of Reinhard Engelhart in Inzersdorf and observing explicable examples of permaculture patterns and principles.
(4) Sun. Sept. 16 <sup>th</sup> 2012	Visiting Vienna - optional.	<u>Free day</u>
(5) Monday Sept. 17 <sup>th</sup>	<b>LECTURES &amp; CASE STUDIES</b> presented by professors and students. INTRODUCTION: Goals, objectives, aims.	Keynote speach: Contribution of solidarity economy in making Aspern Seestadt a model for a transition town.
(6) Tuesday Sept. 18 <sup>th</sup>	Continuing LECTURES and CASE STUDIES presented by the students and professors.	Keynote: Permaculture design is a holistic approach to combine prodigious wisdom with appropriate technologies.
(7) Wednesday Sept. 19 <sup>th</sup>	LECTURES and CASE STUDIES. Presented by the students and professors.	In the afternoon EXCURSION to see surrounding garden cities in the district and nearby the national park Lobau.
(8) Thurs Sept. 20 <sup>th</sup>	<b>FUTURE SEARCH MEETING</b> Phase 0: Introduction Phase 1: Searching for common ground	Phase 2 / A: External Trends Phase 2 / B: Desirable Trends - Brainstorming through mind mapping
(9) Friday Sept. 21 <sup>st</sup>	FUTURE SEARCH MEETING Phase 3: Prouds and sorries Phase 4: Future Scenarios	Phase 5: Formulation strategies. Phase 6: Plans for action - Defining topics of group-work for the project week
(10) Sat. Sept. 22 <sup>nd</sup>	<b>SUMMARY</b> of the first week and outlook for the project week.	Starting GROUP WORK. Explaining the procedure of the project week. Students from the 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> cycle find their topic
(11) Sun. Sept. 23 <sup>rd</sup>	Visiting Bratislava - optional.	Free day
(12) Mon Sept. 24 <sup>th</sup> 2012	<b>STARTING PROJECT WORK</b> 1st cycle: permaculture patterns 2nd cycle: masterplan 3rd cycle: solidarity economy Continuing practical and theoretical work	<b>PROJECT WORK</b>
(13) Tue. Sept. 25 <sup>th</sup>	<b>PROJECT WORK</b> Continuing practical and theoretical work	<b>PROJECT WORK</b> Continuing of the project work
(14) Wedn. 26 <sup>th</sup>	<b>PROJECT WORK</b> Continuing practical and theoretical work	<b>PROJECT WORK</b> Continuing practical and theoretical work
(15) Thurs 27 <sup>th</sup>	<b>PROJECT WORK</b> Continuing practical and theoretical work	<b>PROJECT WORK</b> Continuing practical and theoretical work
(16) Fri. 28 <sup>th</sup>	<b>PROJECT:</b> Preparatory work for presentation Finalizing project work. Summary of the project.	<b>PRESENTATION</b> "Permaculture Design project" presented to the public and media in the 22nd district of Vienna Tonight: Music from the Danube countries.
(17) Sept. 29 <sup>th</sup>	Working groups 1st 2nd 3rd cycle are discussing dissemination and exploitation of the project. Feedback, Questionnaire, Outlook (IP 2013) etc.	<b>DEPARTURE</b> in the afternoon



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## 4.. PERMACULTURE METHODS – 5 PHASES

Permaculture deserves a high profile because its design approach is fundamental in any problem solving situation. Andrew Goldring is describing in "Permaculture Teacher's Guide" the methods for permaculture design courses. The practical skills, such as gardening, forestry, landscape design and so on, can be ones which people already have. (22) We will work on a community workshop in Aspern Seestadt to involve the public in community design issues and enhance their understanding of new strategies. (RYN, 150) The course will be a mixture of methods which are suited to different learning styles: verbal, discussions, seeing examples, practically by doing it. (23)

There are five main themes to the course with the paradigm of systems analysis<sup>2</sup>problem solving:

- + **Understanding** the case – Problem identification: writing case studies and papers, excursion
- + **Conceptualizing** through synthesis by methods of knowledge integration: lectures, future Search conference,
- + **Causal explaining** based on arguments – generation of alternatives: community design workshop
- + **Evaluation** of different alternatives and choosing a solution
- + **Implementation**: Dissemination and exploitation – strategies for the city of the future

## 5.. ORGANISATION MANAGEMENT

### CONTRACTS

- + **GRANT AGREEMENT (OEAD-BOKU)**
- + **CONTRACT for liability: Austrian Federal Army and BOKU– A.V. 12.06.24**

### MANAGEMENT

- + **MANAGEMENT of the course 12.05.04 (2012p2)**
- + **PROGRAM Kick off meeting (2012p9)**

### STUDENTS AND PROFS

- + **FIRST CALL Case Studies – (2012p3)**
- + **EXCURSION – (2012p4)**
- + **QUESTIONNAIRE (2012p6)**
- + **VIDEO SCRIPT (2012p7)**
- + **MOODLE (page 40)**
- + **DIRECT MARKETING of rural agricultural products (2012p5)**
- + **HOME RULES on the Aspern Seestadt Field (2012p8)**
- + **ACCOMODATION BOKU HEIM (page 21)**

### 3420 ASPERN SEESTADT AG

- + **FUND RAISING Vice Major of Vienna (2012p10)**
- + **ORGANIGRAMM CITY OF VIENNA and 3420AG (page 40)**

### DISSEMINATION AND EXPLOITATION

- + **REVIEW REPORTS – FINAL REPORT**
- + **PUBLICATION TRANSLATION**

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<sup>2</sup> KLEIN, J T / GROSSENBACHER / MANSUY / HÄBERLI / BILL / SCHOLZ / WELTI (2002): Transdisciplinarity, Joint Problem solving among Science, Technology and society. An effective Way for Managing Complexity. Basel-Boston+Berlin: Birkhäuser et al., a.a.O. S. 246



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6.. CONTRACT PARTICIPANTS – BOKU

ERASMUS – Intensive Programme Nr \_\_\_\_\_230/17/12\_\_\_\_\_

AGREEMENT for the academic year/s \_\_\_\_\_2012 - 2013\_\_\_\_\_Between

Co-ordinating institution (name and ERASMUS ID code of the institution)	Institute of Soil Science - IBF University of Natural Resources and Life Sciences - BOKU 29312-IC-1-AT-ERASMUS-EUCX-1
Project co-ordinator (name, address, phone, fax, E-mail)	Univ. Prof. Werner Kvarda A-1190 Wien, Peter Jordanstrasse 82 +43 1 47654 3100 <a href="mailto:Werner.kvarda@boku.ac.at">Werner.kvarda@boku.ac.at</a>

and

Partner institution (name and ERASMUS ID code of the institution)	University of Lisboa Political Economy PT 1649-026 Lisboa Erasmus ID P LISBOA07
Project co-ordinator (name, address, phone, fax, E-mail)	Univ.Prof. José Manuel Henriques Address phone <a href="mailto:jose.henriques@iscte.pt">jose.henriques@iscte.pt</a>

The above parties agree to co-operate in the Lifelong Learning Programme (LLP), sectoral programme ERASMUS, IP project indicated below. Both parties agree to abide by the principles and conditions set out in the EU's LLP Guidelines for Applicants, the ERASMUS application forms for the academic year/s 2012-2013 and, if the application is successful, the financial agreement. The parties of this agreement undertake to abide by the agreed terms of this co-operation agreement:

- participation in the IP of \_\_1\_\_ teachers and \_\_3\_\_ students (subject to the financial agreement between the co-ordinating HEI and the Austrian National Agency) following the modalities as specified in the work plan for each of the next 2012-2013 academic year/s of the project.
- The maximum refunded travel costs are € 1.500.- for student mobility, and € 500.- for teaching staff mobility. For receiving the costs, you have to submit your travel documents (ticket of the train, or number of the flight, original boarding pass, e-ticket, a copy of the certificate of your credit card).
- each partner institution contributes with annually EUR \_\_\_\_0\_\_\_\_ to the overall IP budget amounting to yearly app. EUR \_\_\_\_0\_\_\_\_
- we are expecting permanent collaboration of the participating students – Writing case studies and a final report until December 2012. Particularly with regard for receiving ECTS credits
- Students have to complete the final report form [www.lebenslanges-lernen.at/erasmus-ip](http://www.lebenslanges-lernen.at/erasmus-ip)
- the Intensive Programme and its preparatory phases have to be recognised as part of the study program of the participating students (\_\_6\_\_ ECTS credits)

Original project title (maximum eight words)	ISCED code(s)
PERMACULTURE DESIGN COURSE – ASPERN SEESTADT	581 Architecture and Town Planning 629 Agriculture, Forestry, Fishing 850 Environmental protection

Signatures of the legal representatives/Heads of institutions:

Name of the Co-ordinating institution: Institute of Soil Science – IBF University of Natural Resources and Life Sciences Name of the IP representative: Univ. Prof. Werner Kvarda Signature: _____ Date:	Name of the partner institution: University of Lisboa Political Economy Name of the IP representative: Univ.Prof. José Manuel Henriques Signature: _____ Date:
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## 7.. BUDGET

### 6.3 STUDENT MOBILITY siehe Tabelle in: ARTICLES 2012 doc 2012p0\_llp\_IP PDC-AS Final version

	No. stud	Country	Duration	Fund for subs.	Travel cost	Real travel
1	6	AT	17	0	0	0
2	3	HU	„	861.	300	300
3	7	SI	„	2.272.9	900	900
4	4	SK	„	1.160.76	400	400
5	4	HR	„	1.339.6	1,000	1.000
6	3	PT	„	924.63	1,800	1.500
7	3	IS	„	1.101.6	(2.550)	1.500
Total	<b>30</b>		119	<b>7661.39</b>	<b>6,950</b>	<b>5.600</b>

### 6.4 TEACHING STAFF MOBILITY

	No.teach	Country	Duration	Fund for subst.	Travel cost	Real travel
1	1	AT	15	0	0	
2	1	HU	7	490	100	100
3	2	SI	15	1,593,58	300	600
4	1	SK	7	490	100	100
5	1	HR	15	796,79	250	250
6	1	PT	15	747	600	500
7	1	IS	15	896,43	(850)	500
	<b>8</b>		89	<b>5.013,8<sup>3</sup></b>	2200	<b>2.050</b>

### TRAVEL COSTS, see new GRANT AGREEMENT

**€5.600** Students

**€2.050** Teaching staff

**€7.650**

### 6.5 TOTAL REQUESTED FUNDING

Project organisation	7,000 €
Total estimated subsistence costs – students and teachers	12,675,19
Total estimated costs for travel– students and teachers	7.950
Total requested funding	<b>27.625,19<sup>4</sup></b>

## 8. ACTION PLAN

Title of the project				
Project goals and objectives.				
Working group / additional project partners				
What	Who	with whom	Till When	o.k.

<sup>3</sup> **Unterkunft** teaching staff BOKU HEIM 8 Einzelzimmer für 16 Nächte

**€2072,40**

<sup>4</sup> See **GRANT AGREEMENT** Agreement Number 230/17/12