

BIO- KNOWLEDGE CHANGE 2010 (BKC2010)

GRUNDTVIG Multilateral Network - Key Activity 1 –

Project for improving Observation and Analysis-Studies and Comparative Research in Adult Education

Keywords and concepts : Biodiversity conservation and generation , protection management, exchange of experiences in strategic I economy for improving European co-operation of Knowledge based Bio Economy development.

By : Paolo and Matilde Manzelli , pmanzelli@gmail.com ;
www.edscuola.it/lre.html, www.egocreatnet.it, www.egocrea.net,



http://ec.europa.eu/education/llp/doc848_en.htm

The goal of GRUNDTVIG MULTILATERAL NETWORK is organized by EGOCREANET for Integrating European biodiversity and Food Sustainability in European adult Education . Biological diversity loss is produced by human activity. We need now to reverse the loss in a way that biodiversity restoring and new generation play a vital role in maintaining the health of ecosystems, as well as providing us with many valuable resources essential for our survival. For these reasons it is important to implement the understanding of biodiversity in living systems and in economy in order to develop credible responses. The link between Biodiversity and Sustainability requires effective implementation of EU adult education.

Project Synthesis

- C.1.1 Summary of the project KEY INFORMATION OF the APPLICATION

- concrete overview to undertake the consortium plans . (1992 characters) *
- The GRUNDTVIG Multilateral network program Bio-Knowledge Change 2010 (BKC2010- KEY 1) will favor the emergence of a knowledge-based society in a Europe which is pursuing a high skills strategy of cognitive change in society. The main goal implies an improvement of active citizenship, entrepreneurship and management innovation through the creation and dissemination of innovative trans-disciplinary key competences in order to better adapt to our changing society. The specific objective of BKC2010 will support LLL in the trans-disciplinary domain by focusing on a comparative study about the loss of biological diversity especially related to food security development, one of the most crucial challenges of our time. The selection of the BKC2010 Grundtvig multilateral partnership was made in order to improve biodiversity outcomes through enhanced cooperation. It will reinforce the value of European KBBE strategy across government, industry and community sectors, through the development of innovative products, encouraging a wide range of solutions and activities related to biodiversity issues. The project operative work packages will establish: 1) a pedagogical method which will develop innovative approaches in adult learning about Biodiversity in life and environment within the context of sustainable understanding of citizenship and future development; 2) a virtual platform for adult educators and for the general public to rethink, communicate biodiversity and food sustainability in a changing world. It will be used to discuss biodiversity policy developments, share information and exchange best practices around a common subject of expertise. This BKC2010 project involves 10 partner countries. The expected results of KBC2010 will contribute to the raising issues regarding the interlinked thematic area of biodiversity, environment, food sustainability and cultural and knowledge management as a basis for a healthy society and a sustainable economic KBBE development.

C.1.2. GRUNDTVIG 2000 Characters (1995 character)

Rationale and background of the project /network would support the European adult education to enhance creativity in restoring Biodiversity degradation of world's ecosystem that contemporary have undergone forward a significant degradation with negative impacts on climate changes vulnerability and peoples' livelihoods especially in relation to healthy food production .It is now recognized that for many aspects the industrial society model of production, is not more an option for the future development. Thinking about methods to address biodiversity loss and degradation of ecosystem the BKC2010 should first analyse the underlying causes of the current situation in order to reinforce the new perspective of development of the European strategy of Knowledge Based Bio-Economy. Given that critical situation in order to sustain human livelihoods, and to restore degraded ecosystems the project would develop a method of innovative knowledge management aiming to modify the priorities of people by putting in a high evidence the value of biodiversity in natural resources,in order to get a compensation between natural and man-made systems of production . So that, the project will achieve a change of knowledge and values and attitudes with methods that are based on a mechanical and reductionist approach of developmental understanding. These challenge are critical in linking biodiversity to human needs, henceforth the partnerships agree to improve a trans-disciplinary strategy focused on the following activities, a) promote EU cooperation for biodiversity conservation, b) support human livelihoods, through management innovation, c) improve natural ecosystem productivity of healthy food.

References : 1) Communication from the Commission halting the loss of biodiversity by 2010-and beyond. 2) Sustaining ecosystem services for human well-being, European Commission 2006.whitin published Indicators.

http://biodiversitychm.eea.europa.eu/convention/F1117799202/Message_Lisbon.pdf

C1.3 Aims ad Objectives – Relevance and innovation (1998)

Within the priorities announced in the previous points the BKC2010 will build up a platform providing a forum for discussion and knowledge exchange in the area of adult learning on the set of related key issues linking :biodiversity and food sustainability with nutrition , health and well being. The aim of the project is identifying present, emergent and future needs of knowledge change, in policy education, and in particular to pinpoint aspects where European cooperation on biodiversity and food sustainability could be especially beneficial for strengthen the European dimension in the field of adult learning innovation. This aim become of extreme relevance to achieve comparative analyses based on system thinking methodology for complex problems, aiming to enhancing the quality of understanding and to combat the prejudices about the value of the KBBE European strategy. The project would promote useful guidance and counselling tools involving piloting experiences in the previous in strategic areas of life's sustainability for the future on the planet. Hence the main goal is to obtain good results on an comparative education research, and to diffuse at the results at European, national and regional levels, aiming to support effective knowledge management innovation that will remain an ongoing priority of project contents , delivery and interventions. The scouting of good ideas will be addressed as an significant challenging activity in picking up collecting, reconsidering , and redistributing and integrate the educational free materials and sources, useful for the development and improvement of availability of high quality Grundtvig courses The highest value of conceptual change in contemporarily era will be expressed by the project networking in many different ways: from Illustrating information requirements for the KBBE understanding purpose in formal sector and also with practical application of science and art in non formal lifelong learning.

C. 1.4 - IMPACT and SUSTAINABILITY – (and the quality of the consortium)

– **a1** - Short Term Target Groups During the life time of the project (1498 Char.)

– To create a positive impact in identifying research gaps where evidence is needed for EU Biodiversity and Food sustainability policy the BKC2010 during the life time of the project the multilateral partnership could be prompt to give rise to wider use of methodologies of system thinking (e, g. critical approach to complex problem solving), and to deliver results, using a web based dissemination and exploitation in the context of a short term strategy. The target groups reached to get an adhesion of the BKC2010 project are: a) the organization and institution and lifelong learning communities in Europe and at international level, interested to participate at the platform /forum to debate about the program aims and goals and to develop a comparative appraisal / dissemination of innovative curricula, methodologies and modules for adult learners in the field of Biodiversity and food sustainability aiming to provide innovative solutions . b) a privileged target group, in order the meet the need of KBBE development, will be SME's managers; in fact due to the increasing economic recession SME's are interested to develop alternatives in the relationship of adult education / employability, in a context of new training requirements on biodiversity and ecosystem sustainability. c) adult citizen to promote an active citizenship and to provide a great participation to the Platform/ forum in exchanging experiences and innovative efforts for the construction of knowledge society.

- **a2-** How will these groups be reached and involved during the life time of the project (max 1466 Char.)
- To realize an additional impact to the initiatives of the international year of Biodiversity in Europe 1) via an interactive work in finding access and the appropriate resources through “key word” research related to the project's contents in “Google” and other search engines in internet, 2) from the list of coordination of previous programs in Grundtvig compendium which should have recently finished, or were about to finish 3) through some gateways specialised services in finding partners and stakeholders as the “Enterprise Europe Network” specifically designed for small and medium enterprises (SMEs) but are also available to all businesses, research centres and Universities across Europe. 4) To implement of new innovative and creative programs in the EU area of Life Long Learning during the life time of the project we will consult the LLP / Grundtvig national contact points to find adequate contribution of partners and stakeholders or silent partners. 5) To support the relationship between cultural diversity and biodiversity and for that scope, the project will promote an active cooperation with local authorities and governments the project will encourage initiatives on “Science and Art” aiming to include the target of artists in the project goals to change the non formal adult education contents and modalities for improving the Knowledge Society . Expected short-term impact: 1.000 end users/year and including 100 SME's managers , 50

b1 – Long Term Target groups: (max 888 Char.)

- BKC2010 project would establishing a method to develop innovative approaches to adult learning about the issue of Biodiversity in life and environment , within the context of sustainable future development . This challenge of education for biodiversity sustainability in a complex changing world, cannot be limited at the date when the Grundtvig project is finished. So that the project can be considers as a start up to analyse and forecast the best solution and after the end , will be further developed collaboratively, through an international organization inspired in shared constructivism of knowledge society using Web 2.0 activity like the international co-organization Change -org see: <http://www.change.org/>. Furthermore the target groups reaches will be addressed to the financial sustainability from public and private bodies after the Eu funding end.

- **b2** : How will this groups be reached ? (max 1400 Char.)

To mobilize an increasing number of actors ranging from local or regional authorities and businesses enterprises , SME's , to civil society organizations interested to understand awareness of the importance of conserving biodiversity for human well-being and promote KBBE strategy according of the economic value of biodiversity, the project would product a final tool-kit .The tool-kit will made to maximise the potential project impact and to fulfil the scope to find long term target groups address to contribute to adult learning changing needs The tool kit will be produced in CD-ROM (500 Copies plus a version for on-line Download), before the end of the project and will contain the best practices and stories before analysed that was useful to complete the work plan. Besides after the project's conclusion and to reach other target groups especially between foundations and governmental bodies and enterprise the tool-kit can be sponsored, in agreement with the entire partnership to disseminate after the end the public results of the BKC2010 multilateral network. Encourage organizations (and through them individuals) to take direct or indirect biodiversity conservation activities for adult education .

- **b3-** Seeking with accuracy to recognize matters of strategic importance for enterprises and making optimistic assumptions about the availability of bank loans, credit, grants, equity etc. to support the future development of the BKC2010 proposal, can be developed producing adult courses and other services or projects in this thematic field .Therefore the anticipated forecast of a long-term impact, can be sustained also through engaging voluntary resources and also new funding, benefits sponsorship and further work, now is about 20,000 users/year .





C1.5 Action Specific Information .(max 1996 char.)

Studies and Comparative Research on Biodiversity and food sustainability would support by the key activities of policy cooperation and innovation lifelong learning activities. This will obtained by exploring and sharing ideas and knowledge among three main line of understanding biodiversity e.g .1) biodiversity as conservation, 2) biodiversity as a generation of new species, 3) biodiversity as a biological recovery of species close to extinction. Those tree issues will be analysed by the studies in relation to food sustainability in order to support important content for adult education, by the BKC2010 key dissemination activities designated for national, regional and local authorities, establishments and guidance and experience in accreditation of life long courses . In particular comparative research activities will be take in relevant attention biodiversity in Agricultural ecosystems by studies on the variety and variability of animals ,plants and micro-organisms , wich are necessary to sustain basic structure and process of living of the world population. A fora on those strategic issues will be open for attracting a network of experts and institutions to a debate to transfer the results in the content of adult education practices . So that arguments as “ Future control of biodiversity in food”, or “Genetic Futures in Food and Farming” will be reported as policy proposals developed at Community level. Another activity will approach with a critical overview the generation of new species, through Genetic Modified Organisms, to identify, exchange good practice and make proposals for a better and wider use of such themes across the Member States. Finally the comparative studies will focus species extinction as a key measure of the health of human surviving on the heart, in fact the relevance of biodiversity loss have an important role in reducing disaster risks including the loose new drug discovery for new availability of natural medicinal resources.



Part E. Project implementation / Award criteria

E.1 Relevance (Max. 1996 characters) * :

The BKC2010 project on Biodiversity and food sustainability assumes a high relevance in connecting a multilateral network and engage them in the topics and issues critical to human health and well-being. This will be obtained through achieving a comparative analysis of educational system policy development in this thematic area as well as to monitor progress towards objectives and targets by identifying biodiversity and food sustainability as an issue requiring at international level a particular attention. The lifelong learning innovation perspective will be addressed to this particular relevance area in all thematic fields of related knowledge of conservation and generation and restoring of biodiversity in relation to socio-economic development and ecosystem sustainability. For those reasons, the project education and training pathway is centred on activities dealing with enhancing knowledge based bio economy development (KBBE) as tools to guide or overcome social needs and to promote a less fragmented and global economy oriented local development. The partnership starts from established multilateral collaboration during the project co-organization in order to agree on the following issues of great relevance: 1) identification of collective action and initiatives in the field of biodiversity developmental governance, 2) assessment of biodiversity related ecosystems sustainability, 3) analysis of the strategy to innovate adult learning and to this scope to mobilise in the collective action initiatives in the thematic fields of the project, 4) develop a cross-fertility strategy to enjoining the BKC2010 partnership with already existing initiatives in the 2010 year of biodiversity, among most of the partner countries and on a few associate partners networks, in a way to involve a wider community in a more effective cooperation between EU and to guarantee the better strategic relevance in policy cooperation and innovation in lifelong learning.

E.2 Quality of the Work Programme (Max. 1987 characters) * :

The objective of supporting policy cooperation in LLL, finds, in the thematic issue of Biodiversity and food sustainability the realistic possibility to take actions in the field of adult education consistently supported with complementary measures of a socio-economic nature, in order to improve the KBBE strategy. The BCK2010 emphasises that knowledge and qualifications acquired through lifelong learning should be much structured in the context of the results obtained by a broader qualified promotion of comparative analysis, developed favour adult education to undergo in areas requiring a more conscious development of living bio-and ecosystems. The quality of work program will be enhanced through the results obtained realizing comparative research and educational research workshops, and dissemination activities, in particular focused on supporting a new SMEs entrepreneurship and management by identifying present, emergent and future need of change and by taking in account the relevant field of biodiversity and food sustainability and providing a platform /forum for enabling citizens to meet the needs of both biodiversity and the economy. The method utilized to enrich a common understanding of the root causes of biodiversity loss and the necessary changes in economic and social process needs, will be based on a deep exchange of appropriated knowledge, in the web and through organizing six national workshops on principal thematic, and through developing common, projects, arranging expert exchanges and sharing available resources, methodologies and policy documents. Finally the assessment of the quality of management for the implementation of the project will be obtained through the co-organization of project activities, within a complementary distribution of tasks, to guarantee an effective collaboration among the partners and to open the cooperation to external stakeholders in accordance to achieve the expected results on time and to budget.

E.3 Innovative Character (Max. 1997 characters) * :

The innovative character of BKC2010 Project will be oriented to a comparative examine of conceptual problems of applying continuous improvement to adult education by exploring its use in order to achieve a brand innovative solution not yet easily available in any of the countries participating in the Lifelong Learning Programme. Emergent question is to provide adults to improving their knowledge and competences in one of most pressing areas of global education policy of the loss of biological diversity alongside climate change that is a crucial challenge of our time. So that the Grundtvig multilateral networking on policy cooperation and innovation in LLL would achieve a comparative analysis to understand how the adult education needs to innovate contents and methods in order to be prompt for improving new bio-knowledge management in biodiversity generation and food sustainability, helping in that way to acquire new solutions in the context of development of KBBE society, for human welfare, global economic development and poverty reduction. Therefore the main effort of BKC2010 will be to create an EU-Platform built up as an innovative learning environment, to examine the new perspectives presented by the emerging paradigm: "Transforming knowledge into new sustainable, eco-and bio- efficient development", notably in the context of the Lisbon

Process and in the LLL 2010 work-programme, aiming to chance and to improve adult learning competences, in knowledge management and social skills, especially oriented in supporting and helping advanced knowledge management and education systems innovation for SME's. Moreover such project can mobilise a variety of stakeholders including public authorities, employers organisations, chambers of commerce, services, consultants, regional development agencies, trade unions, universities and other institutions for education research and LLL all interested in the changing relationships between working and learning.

E.4 Quality of the Consortium (Max. 1993 characters) * :

The consortium BKC2010 brings together partners appropriated to carry out the work programme that consists in six work packages. The management of those WPs includes trans-disciplinary knowledge for implementing adult education in the thematic area of biodiversity and sustainability. This complex area of knowledge need complementary skill on natural science, socio-economics , LLL training and ITC dissemination and promulgation activities as well as information exchanges through the use of a platform forum expert systems developed and tested within the project. These WPs interacted and supported one another on "Perspectives" ;so that to finalize all six WPs, there is an appropriate distribution of tasks across the partners, and a balanced implication of partner's countries in identifying gaps in knowledge, tools, critical thinking, initiative, problem solving, ITC tools, risk assessment, decision taking, and constructive management in order to develop an framework of WPs integration which aimed to develop the necessary program's output and results. Further the quality of the consortium is focussed on the co-organization of six workshops / conferences and a Final Congress , oriented to wider BKC2010 community, including stakeholders, researchers, media and policy makers and specific actors in adult education. Those activities in presence will be organized every 4 months. The first in Malaga (Spain) titled "*Companies and biodiversity – future responsibilities*". The second in Shrewsbury (UK) the birthplace of Charles Darwin, titled "*Where is our biodiversity communication going wrong - ideas for new thinking*". The third, in Budapest (Hungary), titled "*Brave new world with GMO versus Biodiversity*", the fourth in Rzeszów, Poland, titled : "*Linking biodiversity to human needs*", the fifth in Cannes (France) titled:"Our future daily bread", the sixth in Sthens (Greece),""Bio-diet past and present" and the final congress (two days) will be held in Florence (IT).

E.5 European Added Value (Max. 1991 characters) * :

The BKC2010 would ensure a way to enhance the benefits and need of forecasting the best results and long-term impact needed for European Policy cooperation and innovation in LLL. It is advisable that in a context of structural crisis of socio-economic development , changing policy cooperation and innovation of learning systems, become an important key element to create innovative learning integrated environments to what already exists previously. The international year of Biodiversity challenge offers , a good example to apply innovation in adult education this because the learning plans need to integrate biodiversity conservation , biodiversity creative generation, biodiversity recovery in different European environments and climates. So that the project can be a key player to promote European cooperation by collecting a survey of existing course and initiatives and by disseminating best practice of knowledge integration in adult education conducted at European level. The project will sets long-term educational goals and recommends actions to meet those goals to public understanding, through spreading the specific human impacts on biodiversity and its capability to restore the bio-environment through developing concrete LLL education opportunities for transferring knowledge and experience on biodiversity and related issues and to enhance methods of trans-disciplinary education in art and science. The results of the project will be exploitable in several EU countries through the organization of six workshops, being to met an effective generalisation by linking adult learning people , from very diverse sectors, backgrounds and environments in an innovative project and through joining associated partnerships and stakeholders . The project finally analysed the most appropriate ways to ensure that these project's activities will be followed and multiplied, making the European Year of Biodiversity a catalyst to a long-learning , enduring process.

E.6 The Cost-Benefit Ratio (Max. 2000 characters) * :

Objectives of the BKC2010 Multilateral Network are designed to achieve several specific operational objectives and the requested funding are sufficient to pay for the development of this proposal in a very cheap application of the use of EU resources .This can be possible because the network will combine the power and capabilities of diverse equipment across the partnership's countries to provide a collaborative medium that helps to combine their skills with stakeholders and associated partners generating an educational community regardless of every physical location of the programmed initiatives and events . The combination of BKC2010 network and this educational community will enable people to share information and ideas easily so they can work more efficiently and productively. Besides the

project design is scaleable so that more local government offices can be added human resources and other form cooperation becomes available without having to put money for all this collaborative opportunities. Therefore the partnership forecasts that : 1) there is a consistency between the work programme and the budget; all aspects of the budget are clearly related to justified activities in the work programme.2) the budget provides for adequate resources (personnel, equipment, travel, financial, etc.),necessary for success, it is neither overestimated nor underestimated 3) the proposal demonstrates overall an efficient and effective use of resources to implement the project and guarantees value for money.

E.7 Impact (Max. 1995 characters) * :

The foreseeable impact of the project on the multiple target groups is very significant. Since biodiversity seems to become an fundamental theme both in science education and knowledge society development . So that the BKC2010 partnership is looking for ways to incorporate LLL policy and innovation in biodiversity as an excellent vehicle for teaching and learning , in order to obtain a great impact by creating a system of promotion of biodiversity as a bridge forward contemporary and future needs of change of education contents in knowledge management. The proposed Grundtvig activities will benefit any organization concerned adult education belonging to formal and not formal systems, national and regional authority , and other players including publishers, media, and stakeholders interested to achieve and to collaborate with the aims of the project concerned. To fit with a great impact of the life learning project the project will move as a strategic tool for policy cooperation on the basis of dissemination program of results ,insight and best practices, derived from former Grundtvig projects to promote sustainable contemporary and future development of biodiversity in life science and environmental education, and creating additional synergies to make EU in these strategic policy field of more efficient. A concrete contribution to the knowledge change in biodiversity and development, can be obtained by providing to realize a common platform to open a deep discussion and to develop a comparative analyses on LLL research innovation , policy shaping and education, linking emergent and future needs of biodiversity sustainability, with the specific area of adult learning addressed. Finally will be set a concrete impact in presence to previous selected targets through organizing six workshops in the partnership countries on themes of specific LLL objectives that are compatible with the general learning aims and selected goals of the Grundtvig 2010 call.

E.8 Quality of the Valorisation Plan (Dissemination and Exploitation of Results) (Max. 1999 characters) * :

The quality valorisation plan of BKC2010 project would support partnership and participation for improving a sustainable today and tomorrow of Biodiversity and Food and related issues by the dissemination of project's ongoing outcomes , final results and plans for the future. An appropriated dissemination and exploitation activities before will be planned for improving clearly identifies interested sectors and end users, and their needs . After it will be spread through building up ITC web-based platform/forum, to favour the internet dialog between the users , and the consultation of stakeholders and associated partners, and other target groups able to contribute to enhance EU polices and innovation in adult education. The Platform will assembly data films and research ,education materials, links to information web, etc to show a collection of best practices, case studies, and results on the project's thematic area, derived from previous Grundtvig multiple network projects, with the scope to visit data and to achieve comparative analyses of educational adult systems in EU. The exploitation plan will allow the partnership to develop guidelines, and pedagogical methodologies, for policy cooperation activity and innovation and for the acquisition of skills and competencies in adult LLL, and to help EU citizen to an responsible citizenship on biodiversity and food sustainability . A core section of the Platform /forum will be especially oriented to innovate entrepreneurship and SME's knowledge management on the project's aims, goals and main issues and problems. The quality of valorisation plan will be optimized through a calendar of six national conference / workshops organized by partners in different EU countries, in concomitant of the campaign to favour a large participation and engagement to those events of governmental and non -governmental organizations, the scientific community, museums, policy and decision managers, teachers, media and general public.



WORK PAKAGE 1 – MANAGEMENT

WP Title : Project management for complex matter of innovation.

F1- Identification (1998 Character)

The BKC2010 is based on a strategic alliance for implementing innovation in adult education by aggregating partners with leading ITC technology players, for building up a platform/forum with further partners enable to develop the thematic , trans-disciplinary area of biodiversity and sustainability, and with the group of partners specialized in adult education implementation.. This system will built to deliver cost-effective integration to the management during the project life-cycle. Manage the many-to-many interaction - across the internal and external associated partners and stakeholders , is the management challenge where play an basic large variety of communications. This function will be realized among the partners more specifically ITC oriented, growing up an "Interface Centre - "IC", The "IC" will take a continuous interaction with other two partner's groups e.g. the Project Government ("PG"), co-organised by the coordinator and partners specialized in the Biodiversity and sustainability matters , and with the more specific "Change Catalyst" group "CC", co-organized to improve the comparative EU analysis and to search the collaboration of almost influenced external targets to find and integrate the complex knowledge innovation of the year of Biodiversity 2010. The systemic management "triangle" will be optimized in order to investigate how the different EU cultures can be integrated in a " Creative Transfer" to implement adult education in bio-knowledge and food and eco-systems sustainability, and to simultaneously develop a contemporary science and artistic practices of emphatic communication favouring the EU KBBE strategy of development. The above project "management triangle" will be co-organized in "IC"- "PG"- "CC" groups, to optimize a *Fast/Good/Cheap*, options ,to conduct an govern management. Here *Fast* time is to deliver the product, *Good i* quality of the final product, and *Cheap* refers to the total cost of building the products. .

WORK PAKAGE 2 – DISSEMINATION

WP Title : Biodiversity and food sustainability as knowledge generator .

F1- Identification (2000 Character)

BKC2010 - Bio Knowledge Change interactively for Adult Education -project makes a well-organized, open and interactive platform on the internet, where material on the project can be read and discussed during the 24 months of the project. The possibilities of social media will be well used. This is to ensure the high quality of the project activities, develop the contents and let people and different groups of interest to participate interactively in the development of the project. Also participants in every of the participating countries call for their co-operators to join the project on the platform. All the workshops will be open also for adult learners and material of the workshops will be simultaneously published and generated on the internet by the generator . All the laboratory courses within the topics of the project - biodiversity, health, art and science, food and nutrition, near and global nature will be referred, discussed and generated on the platform by the specialists, teachers, students and co-operators. The Adult Education Organisations in every country will be well informed by newsletters in the semestral reports of the 24 months program. The final seminar will be open to all specialists, teachers and adult students. After the project a continuation seminar for SME's Managers will be offered within the EU-programmes. The role of the knowledge generator is very important; the generator is the one to carry on the interesting views on the topic of Biodiversity and Food sustainability , pooling knowledge and experience, in order to achieve concrete and innovative results/products with indisputable European value. In many cases, this will involve piloting experiences in strategic areas of biodiversity and societal change by producing comparative studies that could be especially beneficial within EU cooperation through dissemination of findings and recommendations and their implementation in relevant project's fields to the target audiences .

WORK PAKAGE 3 – EXPLOITATION

WP Title : Beyond biodiversity loss in LLL policy cooperation and innovation

F1- Identification (1989 Character)

The BKC2010 " WP 3 on exploitation would making use of and deriving benefit from the project results in the context of contribute to the implementation of the objectives of Commission Communication "Halting the loss of biodiversity by 2010 – and beyond"

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:52006DC0216:EN:NOT>

The strategy of project 's exploitation primarily involves the two processes : a) mainstreaming, to transferring the successful result of programmes and conference/workshops, realized in the partner's countries , one each four months, to the selected targets , and appropriate decision-makers in regulated local, regional, national or European systems , and will favour the multiplication of Grundtvig opportunities and other FP7 co-funding calls, for improving new projects that implement communication and awareness, cooperating with the raising campaigns of the international year of biodiversity and in food sustainability issues, aiming

to raising adult skill , and competence, promoting special training courses etc. The exploitation will be made by convincing individual end-users to adopt and/or apply the output and program's results at EU and national or Regional levels. The comparative analysis will focus to identify emergent , and future needs of cooperation and will be exploited to be beneficial, by the end of the "2010 international year of biodiversity " , to help Life and Environment Policy and innovation in contents and methods adult education systems, as requested by the call. Key elements of substantial changes in policy and practice will be exploited helping learners to develop multidisciplinary competences such as social economic and scientific and knowledge management. Exploitation will be planned in order that biodiversity provides the basis to adapt adult education to changing society and the requirements of the supporting entrepreneurship and management of Knowledge Based Bio-Economy.

WORK PAKAGE 4 – Quality Assurance

WP Title : Quality in LLL policy cooperation and innovation

F1- Identification (1992 Character)

Work package No: 4

Work package title: Quality management and quality evaluation

Starting month: 1 End month: 24

Cost:

Responsible partner: IPF – Initiatives for Education and Training Projects

Participating partner: All partners

The objectives of the work package:

-Ensuring continuous quality, quality assessment

Description of the activities:

-Working out the Plan concerning Quality for the project implementation, and also the evaluation of products, which also contains the system of quality control.

-Management and coordination of the Quality Assurance Plan.

- Evaluation of all the international meetings and also the project implementation by partners.

-Evaluation of the project products

·Forming a team from IPF experts evaluating the products of the project

·Operating the product evaluation team, controlling, coordinating and monitoring its work.

·Evaluation and assessment of the products on the international meetings.

All partners:

- Feedback (comments, recommendation, supplement etc.) on the Quality Assurance Plan.

Description of the results:

- Quality Assurance Plan in English and national languages

- Evaluation, assessment and continuous ensuring of the quality

- Forming and operating the product evaluation team

- Product Evaluation Sheet in English and national languages

WORK PAKAGE 5 – DEVELOPMENT

(the substance of work planned including production testing etc)

WP 5 . Title : Bio knowledge change for Sustainable Development

F1- Identification (1992 Character)

Focus in the development of the BKC2010 project. *Objectives:* Biodiversity provides high variety of problems and challenges of KBBE development for improving adult education , therefore partner will contribute to raising educational issues and methods regarding biodiversity and food sustainability as being a basis for a healthy society and a economic development, developing through a comparative analysis and through disseminate and interpret related knowledge and experience. *Principal activities:* Six workshops and one Final Congress, will focussed biodiversity perspectives on creativity and innovation in adult lifelong learning Those activities will organized by the partner in their countries to favour from different approaches the links between Bio-knowledge change and innovation of entrepreneurship, cultural awareness across Europe. Methodology will introduce a system analysis of the complex problem of diversity in biology and food sustainability to support a durable action in time and an anticipation of the future through supporting the implementation of adult lifelong learning. *Role of partners:* partners play different and complemented roles in bio-diversity sustainability stressing that lifelong learning programmes must support skills, competences and entrepreneurship innovation , in order to re-thinking the organisation and management of adult education and training as could be necessary for introducing a new learning culture on biodiversity ,enabling to meet

the needs of maintenance of food production and to develop new diversified crops to implement innovation of both society and the European KBBE economy development. The action of the partnership need to be seen as a synergic activity inspired by the need to identify present emergent and future needs implementation of EU cooperation in Biodiversity as the natural bio-economic capital for sustainable development and therefore to favor a scaling up and communicate bio diversity knowledge matters.

WORK PAKAGE 6 – PERSPECTIVES

WP 6 . Title : Identify present emergent and future needs of Biodiversity sustainability .

F1- Identification (Characters 1998)

The objective of WP6 is specifically focused on identify present emergent and future needs of Biodiversity sustainability achieving studies and comparative examine of current educational research particularly focused on the issue of biodiversity and food sustainability. The aim is to support EU policy development and cooperation in that thematic area for developing innovation. Food composition provides an important link for biodiversity and nutrition in different ecosystems, and contribute to food security needs improving sustainment of nutrition. Biodiversity in food composition will be useful to increase ecological knowledge of the nutritional value of certain local species involved in food production, improving cultural diversity in EU education policy. The analysis, will be undertaken of nutrient data of the various food species, obtained by national information systems; the results will be strengthened to form the basis for priority setting and national policy making in sustaining biodiversity. Besides WP6 would identify the gap for a better definition of nutrient profiles of national food, including wild and under-utilized varieties. This challenge include a comparative studies in food preparation methods to contribute to an adult education on how different forms of processing or traditional cooking cultures can improve the nutritional quality of a under-utilized or poor species. Finally WP6 would become a key player of international cooperation, such goal will undertaken *underlying* that different *etnies* need to consider *appropriate* diets as a result of biodiversity in humans. This important question open a cultural change in future bio diversity sustainability and will favor new key LLL opportunities in adult education. The awareness of nutritional habits cut back the alimentary disturbance, and drastically ease the costs and tension of health policy with simultaneous amelioration of living conditions.



Biodiversity and environment

NOTE :

BIODIVERSITY IN HUMAN ETNIES AND EATING DISORDERS AND MALNUTRITION IN THE CHANGING WORLD

Biodiversity is important in foods eating , this because the various ethnic groups in the world have a different approaches in metabolism as a result of biodiversity in humans based on mitochondrial functions that links food metabolism to the territories in what people lives. The contemporary globalization of food market and marketing leads forgetfulness of the epigenetic factors that harmonize living systems to the territory ,so that an obsolete tendency to consider food as simple energy (described as quantity of calories and not in quality of molecular bio-active functions of metabolites) determines high levels of malnutrition especially in the ages of juvenile and senile most exposed to a lack of enzymes and also to a mature immune system of antibodies . Therefore the BKC2010 would go beyond this lack of knowledge on Biodiversity and Food relationship for human healthy living especially in the context of a deep modification of biodiversity and climate change.

FINAL NOTE : The BKC2010 programme will start in Kick off Meeting in Roma (first month- one day) to aggregate the multilateral network to agree work with a consistently thinking, interacting, and investigating across a scale of different Biodiversity problems in relation of he food sustainability and the impact on environmental and ecosystem changes. The substance of the work will be co-organized in the Portal-Forum opening a great debate that relates society, economy and biodiversity to product concrete internet educational and communication tools. Partnership and participation to those activities throughout Europe ,will develop critical thinking to promote understanding of the complexity of biological diversity issues and related problems of sustainable development. Those activities will favour participants the opportunity to share their own experiences, then explore in details problems and perspectives through the production of testing and statistics about the challenges and promises of advancing in adult education on the issues regarding biological diversity and sustainable future development and reasons and consequences of biodiversity loss involving all dimensions of sustainable development (social, economic, ecological) in relation to educational principles of problem posing and solving and oriented towards values of EU co-operation.

BIBLIO ON LINE : See previous EU aproaches in :

http://support-edu.org/webfm_send/547 ,

<http://www.alarmproject.net/alarm/objectives.php>

See : <http://www.bgci.org/education/article/293/>

