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PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

THE DISTRIBUTED EUROPEAN SCHOOL OF TAXONOMY (DEST) AT THE END OF THE EDIT CONTRACT

Within EDIT WP8, EDIT and other international partners established a European state-of-the-art School of Taxonomy, the Distributed European School of Taxonomy (DEST), in order to transfer knowledge between current and future generations of taxonomists. DEST provides a high quality training that prepares students for future taxonomic careers. Part of EDIT's financial means supported trainees to attend the courses by issuing individual grants.

Overall DEST currently involves a network of around 100 training providers from 60 institutions. This network has organised training sessions in 30 institutions for 185 students of which 116 were EDIT granted.

TRAINING PROGRAMMES

Within the scope of DEST, the following three training components as described in the DoW were achieved.

Expert-in-training programme

<http://www.taxonomytraining.eu/content/edit-traineeships-2008—2009>

<http://www.taxonomytraining.eu/content/full-list-traineeships-2009-2010>

The Expert-in-training programme allows young graduate students and early career researchers from European institutions to benefit from on-the-job training in EDIT institutions and other European partner institutions.

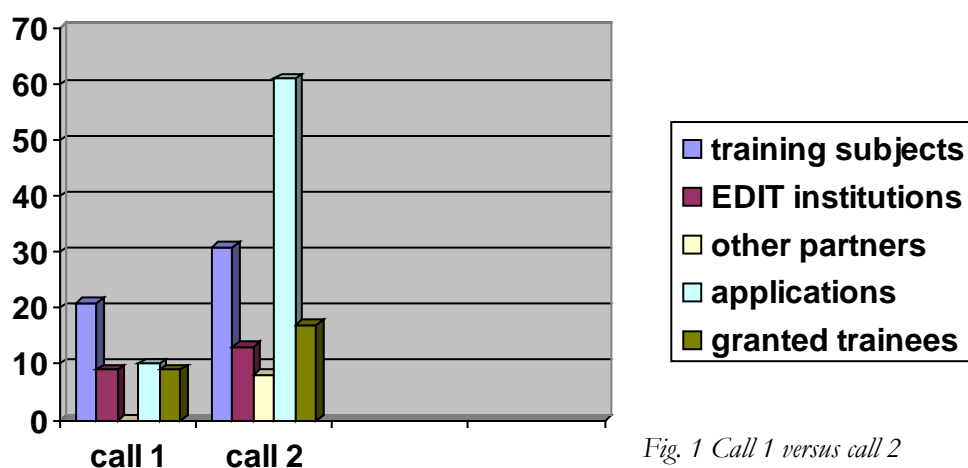


Fig. 1 Call 1 versus call 2

Within EDIT's framework, two Expert-in-training programmes were organised (Fig. 1 & Annex 1). In the 2008-2009 programme (call 1: 21 training subjects), the traineeships were offered to trainees affiliated by their study or research to an EDIT partner institution and for training in an EDIT partner institution different from the applicant's EDIT institution. The 2009-2010 programme (call 2: 31 training subjects) included also training offers from non-EDIT partners and granting was not only restricted to applicants of EDIT institutions but also offered to trainees of European institutions/universities. Seventy one applications were received and within the anticipated EDIT budget (36.000 €), 26 applicants were granted (full funding), equivalent to 56 weeks of training.

In addition to the large number of applications received in call 2 (61), the evaluation feedback of the trainees shows that there is an overwhelming interest in these intensive trainings. Another positive outcome is that, to our knowledge, at least 2 trainees obtained a job thanks to the completion of an EDIT Expert-in-training! Furthermore, the programme generated future research cooperation. There is a considerable interest from training providers to continue their cooperation in the programme. Moreover, regularly, trainees request information on upcoming courses. Discussions are ongoing with the training providers to establish the programme for 2011-2012.

Summer schools

www.atbi.eu/summerschool

The Summer Schools train students in 'Best Field Practices' for basic taxonomic research, biodiversity studies, and conservation biology. Summer schools are open to MSc students and early stage PhD students from European universities/institutes. Three Summer schools were organised (2008, Mercantour in France and Alpi Marittime in Italy – Fig. 2; 2009, Muránska Planina, Slovakia, 2010, Madeira).

The three Summer Schools brought together around 55 professional taxonomists and 60 students from all over Europe. EDIT supported travel and accommodation for students and training providers, and training-related costs (anticipated budget: 127.000 €). The Summer Schools' course topics can be found in Annex 2.

Students and training providers were requested to complete an evaluation sheet after the Summer School. The Summer School met the expectations of training providers and of most students. All students found they acquired new skills, or refreshed existing skills, during the Summer School and a majority of the students believe their participation will benefit their careers, through networking and the specific skills acquired.



Fig. 2 Lab work (left) and field work (right) in the Maritime Alps during the First EDIT Summer School in Italy and France (photos by Sandrine Godefroid).

The syllabi of the three EDIT Summer Schools are available online via an e-learning platform (Moodle) (Fig. 3), in order to increase outreach after the completion of the EDIT project (http://edit.africamuseum.be/wp8_summer_school_elearning/).

Moodle is a Course Management System (CMS), also known as a Learning Management System (LMS) or a Virtual Learning Environment (VLE). It is a free web application that educators can use to create effective online learning sites.

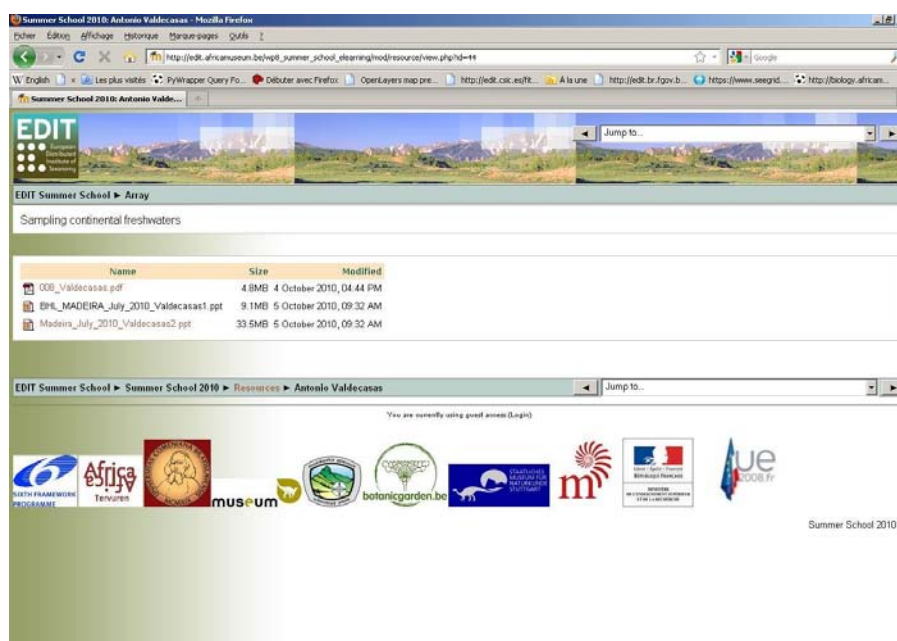


Fig. 3 Screenshot of the EDIT Summer School Moodle website

Furthermore, the Summer School website (<http://atbi.eu/summerschool>) gives background information, general organisational info, training programme, reports, etc.

The fourth “EDIT Summer School of Modern Taxonomy and Field Work” will be held after the end of the EDIT project and is estimated to take place in late spring (May) 2012 under the auspices of the DEST. This Summer School will be organised on the topic of marine meiofauna of the Mediterranean at the Observatoire Océanologique de Banyuls in France. The reports ‘C8.3.1.8 EDIT Summer School: Status report of the Fourth EDIT Summer School’ and ‘C8.3.1.9 Report on identified sustainability mechanisms for the EDIT Summer School beyond EDIT’ can be consulted at <http://www.e-taxonomy.eu/node/950> and <http://www.atbi.eu/summerschool/node/951>.

Modern Taxonomy course programme

www.taxonomytraining.eu/content/modern-taxonomy-course-programme-2010-2011

The Modern Taxonomy theoretical course programme provides future professionals with a solid basic taxonomic training; courses are open to students, technicians and early career researchers from Europe and outside of Europe. One Modern Taxonomy course programme was held within the framework of EDIT.

The courses are short intensive training sessions from 1 to 2 weeks at European institutions. The course programme targets topics such as: nomenclature; describing, writing and illustrating biodiversity/species; phylogenetics, DNA-barcoding, collection conservation. Registrations are evaluated by the training providers and the RBINS training coordinator.

The Modern Taxonomy programme 2010-2011 was launched in May 2010 and will run till the end of the EDIT project (1 March 2011). Unlike the Summer Schools and the Expert-in-training

programme, courses are open to trainees from Europe and outside of Europe and participation is on a self-financed basis. A subscription fee is asked. EDIT awards a limited number of grants to help defray subscription fee, travel and subsistence costs (partial funding). When registering for a course, trainees have to indicate their interest for an EDIT grant when submitting the registration form. In awarding grants, priority is given to trainees coming from economically less favoured regions. The Modern Taxonomy programme is a test case for sustainability of training activities after EDIT.

Trainees who have completed the course receive a certificate specifying the dates of their training period, the content of the training, the training provider and the institution where they received the training. In order to improve the training programme, the trainees were asked to complete an evaluation form after the end of the course.

The Modern Taxonomy programme 2010-2011 offered 7 theoretical courses, 5 of them were particularly developed for the DEST programme and 2 of them are accredited courses (Annex 3). The number of places available on the courses was 123. In total, 206 registrations were received.

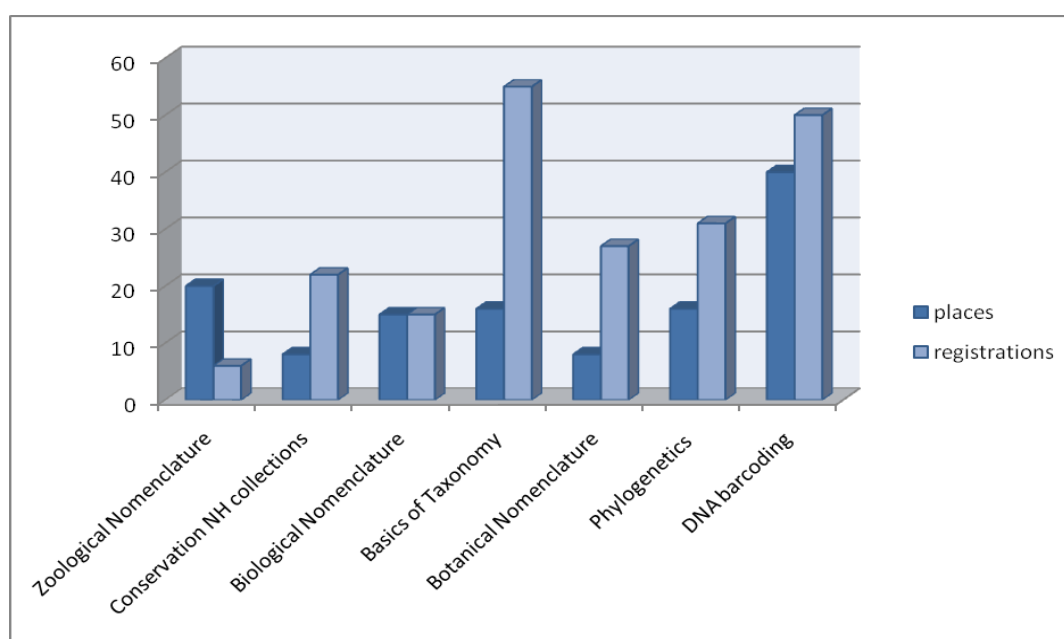


Fig. 4 Modern Taxonomy programme 2010-2011. Available course places and registrations received.

The first course in the programme, the ‘Zoological Nomenclature’ course only received 6 registrations whereas 20 places were available. Reason for that was the very short time slot between course announcement and course date. The remaining courses received many more registrations than the allowed maximum number of participants the course could support, excepted for the ‘Biological Nomenclature’ course where the number of registrations equals the number of available places (Fig. 4).

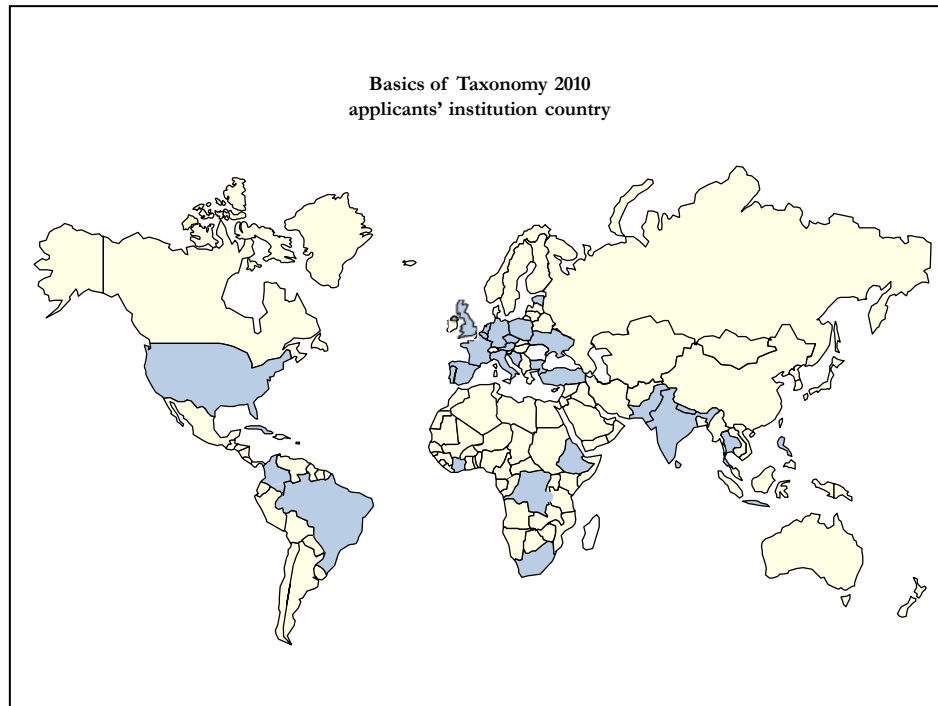


Fig. 5 'Basics of Taxonomy' course. Applicants' institution country

One of the conclusions is that there is a striking difference in registration procedure: the 'Conservation and Care of NH collections' course, targeting collection curators/managers, showed that museums are willing to invest time and money to send their staff to the course. The 'Basics of Taxonomy' course, targeting students and early career researchers, received particularly registrations with grant request (Fig. 6). Furthermore, there is a large interest in the Modern Taxonomy courses from trainees outside Europe, especially from the Global South (Fig. 5).



Fig. 6 Left: Basics of Taxonomy: scientific illustrations, right: Conservation of Natural History collections: disaster planning

At the end of the 2010-2011 programme, 99 trainees will have received training. Within the anticipated EDIT budget (25.000 €), 30 trainees were granted (partial funding) and 69 followed the course on a self-financed basis. These numbers indicate that courses could run without external funding.

‘DEST TAXONOMY TRAINING’ WEBSITE

In October 2009, the ‘DEST Taxonomy Training’ website (www.taxonomytraining.eu) was launched to inform on the EDIT training products and future training developments (Fig. 7). The virtual campus provides information on taxonomy databases, networks, organisations, projects, software, identification keys. Future plans are to develop the virtual campus with a communication zone for collaborative teaching and training.

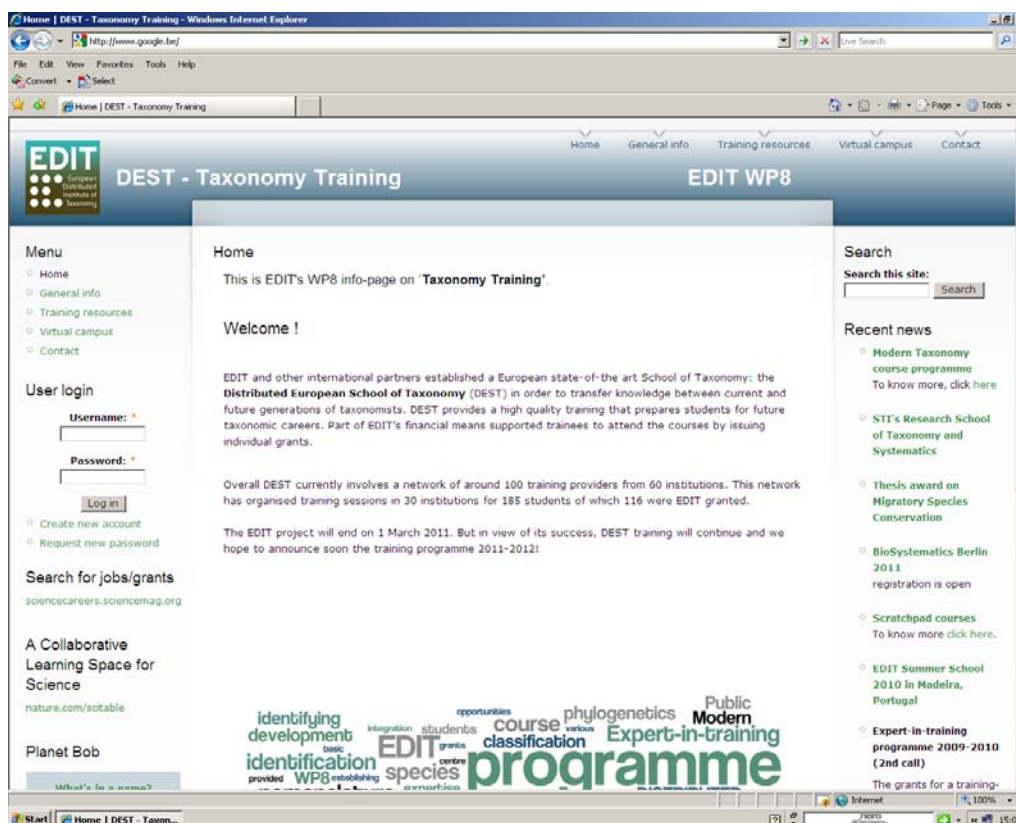


Fig. 7 DEST Taxonomy Training website, home page

THE ONLINE CATALOGUE FOR TAXONOMY COURSES

<http://edit.africamuseum.be/taxonomytrainings>

An interactive online catalogue for taxonomy courses was developed to have a centralised database that indicates all available taxonomic courses. This service is implemented under Drupal to be compatible with the CMS used in the EDIT network and is fully portable. It is hosted by a server setup on site in the RMCA, with a persistent backup to ensure the data is not lost. The database currently contains information on more than 240 training courses.

A normal user (someone with no log-in e.g. a student) is able to access the main page showing the list of available taxonomic courses (Fig. 8-9). The list is updated live so the courses are always up to date, that is if the training providers contribute regularly with updates and new courses.

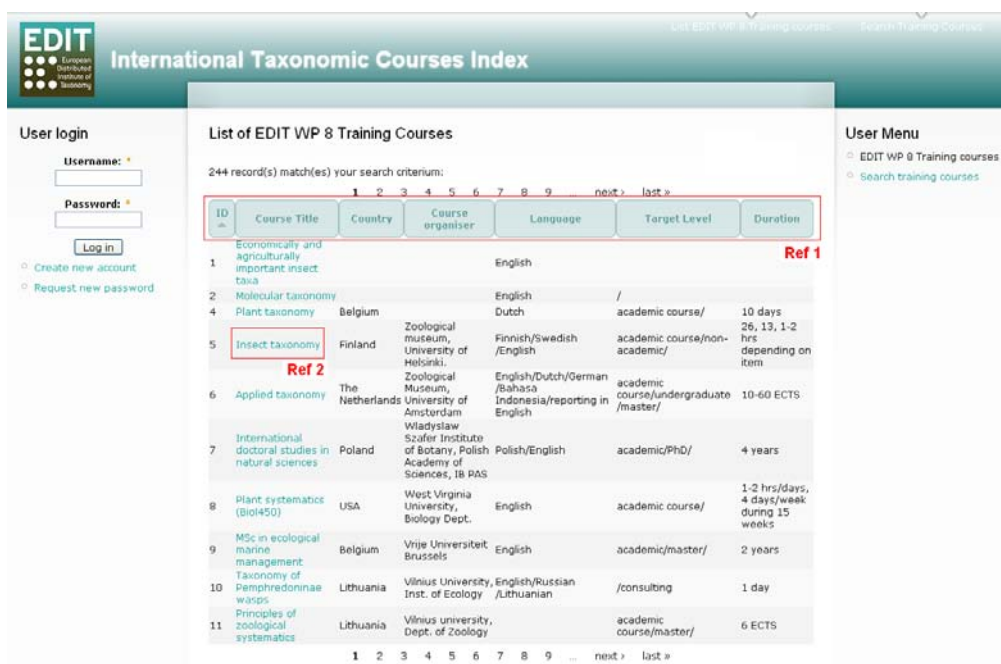


Fig. 8 Taxonomic course list

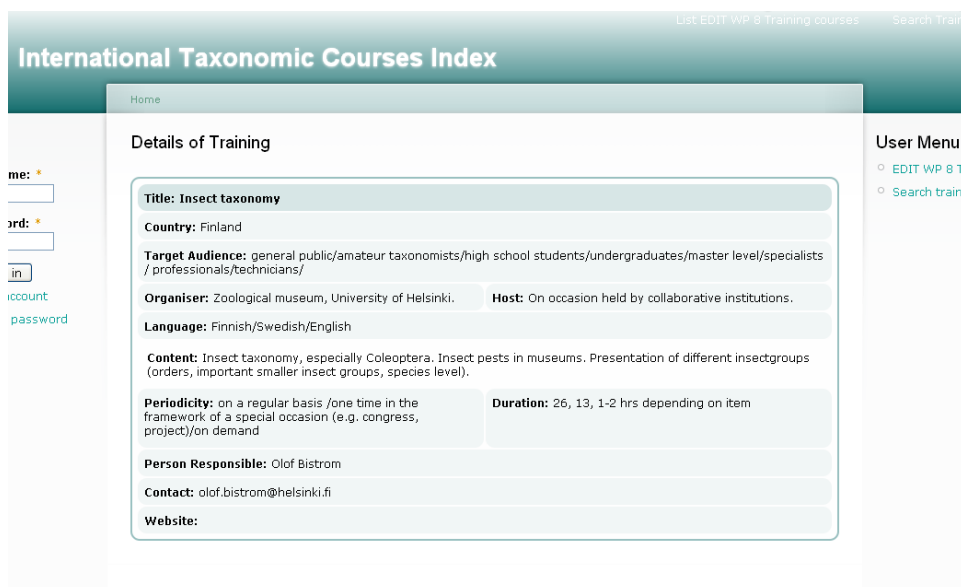


Fig. 9 Taxonomic course details page

A search tool is available to perform more detailed searches in the list (finding training by language, organising country etc.)(Fig. 10).

In addition to these default functions a logged-in user is able to add new courses to the database as well as update any entries previously added.

It is forecasted that this data as well as the training material of the summer school will be made available on a common gateway for e-learning and helpdesk activities in 2011. Pedagogical material intended for African researchers and students within the framework of the CABIN project (Central African Biodiversity Information Network) will also be published. This portal

will be developed by the Cyber taxonomy unit of the RMCA in the framework of CETAF and associated projects (SYNTHEsys II, Open Up!, EU-Com).

The screenshot shows the 'International Taxonomic Courses Index' search page. The page has a header with the title 'International Taxonomic Courses Index' and a 'Home' link. Below the header is a 'Search Training Courses' section. It includes a search bar labeled 'Ref 1' and a list of search criteria with checkboxes. The search criteria are: ID #, Title (checked), Target Audience, Country (checked), Language (checked), Periodicity, Organiser, Host, Duration, Person Responsible, Contact E-Mail, and Website address. A 'search' button is located below the list. The search criteria are highlighted with a red box and labeled 'Ref 2'. On the right side, there is a 'User Mer' section with links for 'EDIT WP' and 'Search tr'. On the left side, there are links for 'me: *', 'ord: *', 'in', 'iccount', and 'password'.

Fig. 10 Search page

DEST EVALUATION

DEST has become a major player in global taxonomic capacity building, as shown by the worldwide interest of students to follow the trainings offered and the willingness to financially contribute. Moreover the establishment of AtCs with SANBI and ABRs further illustrates the positive international recognition of the DEST initiative and its philosophy. Indeed, in general, after having followed a training programme, trainees return to their home institutions and countries, where they in turn contribute to taxonomic capacity building by transferring the expertise they gained from the DEST training. This cascade training optimises skill building and knowledge transfer as a "chain reaction", so that on the longer run taxonomic expertise should increase again on a worldwide scale. Furthermore, high quality training results in a better research quality and output.

Not less important is the fact that the training programmes stimulate researchers and students to network with colleagues and to generate future research cooperation resulting in joint research projects and publications. Some trainees even obtained a job thanks to the completion of a specific training course.

Finally, the Expert-in-training and the Modern Taxonomy theoretical course programmes are developed in a modular manner so that courses are offered at several institutions. In this way these programmes offer the best quality that partners can provide from their available staff, experiences and infrastructure. The Summer Schools give students a unique chance to meet with professional taxonomists and experience firsthand the challenges and rewards of field work in an inspirational setting.

The 'distributed' way of DEST training encourages trainees' mobility, improves scientific (and cultural) exchange and provides the vastly enriching experience to work together with experts and to exchange ideas with other students. As such, DEST offers to both, trainees and training providers, a contact forum and portal for the development of a wide array of potential, international collaborative research activities, including applying for joint research money, organising research meetings, setting up joined field work, exchanging literature, shared use of facilities, etc.

OPERATIONAL MECHANISMS OF THE DEST TRAINING PROGRAMMES IN THE EDIT FRAMEWORK AND AFTER THE END OF THE EDIT CONTRACT

Within the EDIT framework, the operational mechanisms of the three training programmes are as follows: several EDIT partners and other partners invest in delivering training courses for the three training components. EDIT contracts staff, develops training activities, and monitors the overall functioning of the DEST. EDIT awards a limited number of grants for the students/trainees.

For the Summer Schools, EDIT supported travel and accommodation for students and training providers, and training-related costs (full funding). For the Expert-in-training programme, EDIT covered the costs of travel, accommodation, and provided a per diem to contribute towards living costs and training-related costs (full funding). Participation in the Modern Taxonomy programme was on a self-financed basis. EDIT awarded a limited number of grants to help defray the expenses associated with course attendance, travel and accommodation (partial funding).

The operational mechanism of the training programmes after the end of the EDIT contract will be the same as the one applied for the Modern Taxonomy programme, which was a test case for sustainability of training activities after EDIT. The number of paying participants versus granted participants indicated that courses could run without external funding. The training programmes will be open to all interested participants with a limited number of participants for each training course/programme. Students'/trainees' participation will be on a self-financed basis. Depending on available funding, student grants may be awarded.

ESTABLISHED MECHANISMS FOR ENSURING SUSTAINABILITY OF DEST BEYOND EDIT

The DEST was evaluated as being a successful EDIT product and the EDIT Board of Directors (7th BoD, June 2010, Paris) recommended a continuation of its activities and the integration of EDIT into CETAF.

Several EDIT partners are interested to sustain the DEST training activities. BE-TAF, and in particular RBINS, is willing to maintain the training activities and will invest staff to manage the DEST. Moreover, other partners (non-EDIT) involved in the present training activities expressed their interest to continue their investment in delivering training courses beyond the EDIT project.

The Training and Education Committee will be in charge of the tasks as specified hereunder. RBINS, acting as the general coordinator, will ensure the general management of the DEST, the coordination and monitoring of the training activities Expert-in-training and Modern Taxonomy, maintenance of DEST website, the marketing of training products and services and the financial basis of the DEST. RMCA and NBGB will ensure the coordination, the monitoring and the financial basis of the Summer Schools. The training providers will ensure the delivery of the training courses.

New financial resources for grant awarding are sought from EC funding programmes, private foundations etc. Synergies with, and involvement of (inter)national organisations/infrastructures (e.g. ABRS, SANBI, etc.) should ensure joint funding and submission of joint proposals for new financing.

A Memorandum of Understanding on training cooperation in DEST is being signed by interested partners, providing evidence of a continued coordinated international effort to sustain the taxonomic training programmes of DEST during and beyond termination of the EDIT contract.

Hence, it is the intention to continue the training beyond EDIT and even to extend the programme by involving overseas partners (*cf*r signed AtC with ABRS (Australian Biological Resources Study) and SANBI (South African National Biodiversity Institute).

It is the ultimate goal to obtain accreditation for the Modern Taxonomy courses and to integrate them in the academic framework. Involvement of universities would ensure the sustainability of the DEST stamped courses.

Table 1: Component reports related to D29	date delivered	URL
C8.3.1.6 Online publication of the syllabi of the First, Second & Third EDIT Summer Schools	M58	http://www.e-taxonomy.eu/node/923
C8.3.1.7 Report of the Third EDIT Summer School is available	M56	http://www.e-taxonomy.eu/node/863
C8.3.1.8 EDIT Summer School: Status report of the Fourth EDIT Summer School is available (outline and curriculum)	M59	http://www.e-taxonomy.eu/node/950
C8.3.1.9 Report on identified sustainability mechanisms for the EDIT Summer School beyond EDIT	M59	http://www.e-taxonomy.eu/node/951
C8.3.2.4 Final evaluation report on the pilot expert-in-training programme with established mechanism for sustainability beyond EDIT	M58	http://www.e-taxonomy.eu/node/925
C8.4.2.3 Evaluation report on the Modern Taxonomy programme	M58	http://www.e-taxonomy.eu/node/924
C8.4.2.4 Report on established mechanisms to sustain DEST beyond EDIT	M58	http://www.e-taxonomy.eu/node/926

ANNEX 1

EXPERT-IN-TRAINING PROGRAMME 2008-2009

Training-on-the-job subjects 2008-2009	
Species recognition in microfungi. Application to <i>Penicillium</i> species.	Muséum national d'Histoire naturelle, Paris
Training programme in Entomology with specialization in fossil insects: implications for phylogeny, biogeography, and palaeoecology	Muséum national d'Histoire naturelle, Paris
Elasmobranch teeth enameloid microstructure as a taxonomic criterion	Natural History Museum of Denmark
Advanced topics in biogeography and spatial pattern analyses	National Herbarium Netherlands
Cryptogamic botany and Mycology	National Herbarium Netherlands
Economic Botany	National Herbarium Netherlands
Advanced topics in comparative flower morphology and wood anatomy	National Herbarium Netherlands
Malesian plant families	National Herbarium Netherlands
Ethnobotanical knowledge systems	National Herbarium Netherlands
Advanced topics in phylogeny reconstruction	National Herbarium Netherlands
Pollen	National Herbarium Netherlands
Paleobotany	National Herbarium Netherlands / Natural History Museum Naturalis
Culture collection management & fungal taxonomy	Centraalbureau voor Schimmelcultures/Fungal Biodiversity Centre
Morphology and morphological evolution in the Oribatida (Acari)	Royal Belgian Institute of Natural Sciences
Training programme in Entomology with specialisation in Dolichopodidae (Diptera) of Southeast Asia	Royal Belgian Institute of Natural Sciences
Cybertaxonomy and biodiversity information with special emphasis on collection management and geospatial related data	Royal Museum for Central Africa, Tervuren
Identification of Afrotropical spiders (Araneae)	Royal Museum for Central Africa, Tervuren
Morphological and molecular identification of African fruit flies (Diptera Tephritidae)	Royal Museum for Central Africa, Tervuren
Training programme in non-marine diatoms from the (sub-Antarctic Region)	National Botanic Garden of Belgium
Training programme in palaeoentomology with specialisation in planthoppers (Insecta: Hemiptera: Fulgoromorpha)	Museum and Institute of Zoology, Polish Academy of Sciences
Training programme in Crustacean systematics with specialisation in Cyclopidae (Copepoda)	Museum and Institute of Zoology, Polish Academy of Sciences

EXPERT-IN-TRAINING PROGRAMME 2009-2010

Training-on-the-job subjects 2009-2010	
Botanical Nomenclature Course	Royal Botanic Gardens, Kew
Tropical Plant Identification Course	Royal Botanic Gardens, Kew
Vegetation Survey Training Course	Royal Botanic Gardens, Kew
Training program in taxonomy of higher plants	University of Bayreuth
Advanced Biosystematics, Phylogenetics and Biogeography	National Herbarium Netherlands, Leiden branch
Advanced Biosystematics, Phylogenetics and Biogeography	National Herbarium Netherlands, Wageningen branch
Palynology	National Herbarium Netherlands, Leiden branch
Wood biology training	Royal Museum for Central Africa, Tervuren
Training program in non-marine diatoms from the (sub-) Antarctic Region	National Botanic Garden of Belgium
Bryology & Mycology	National Herbarium Netherlands, Leiden branch
Culture collection management & fungal taxonomy	Centraalbureau voor Schimmelcultures (CBS) /Fungal Biodiversity Centre
Conservation and Care of Natural History Collections	Natural History Museum, London
Practical aspects of taxonomy	Ghent University
Cybertaxonomy and biodiversity information with special emphasis on collection management and geospatial related data	Royal Museum for Central Africa, Tervuren
Taxonomy of freshwater macroinvertebrate bioindicator species.	Ecological Consultancy Services Ltd. (EcoServe), Dublin
Training programme in Crustacean systematics with specialisation in Cyclopidae (Copepoda)	Museum and Institute of Zoology, Polish Academy of Sciences
Systematics of freshwater subterranean Malacostraca: Morphology, molecular systematics, and web-taxonomy	University of Ljubljana
Identification of Afrotropical spiders (Araneae)	Royal Museum for Central Africa, Tervuren
Entomological research in protected areas	Museo di Storia Naturale - Università di Firenze
Training program in Entomology with specialization in Hymenoptera Symphyta with emphasis on collection management and geospatial related data	Museo Civico di Storia Naturale di Ferrara
Taxonomy of European biting midges (Diptera: Ceratopogonidae)	University of Gdańsk
1) Forensic entomology and Taxonomy of Calliphoridae 2) Molecular taxonomy of Neotropical flies of families Syrphidae & Calliphoridae	Finnish Museum of Natural History- University of Helsinki

Training programme in Entomology with specialisation in Dolichopodidae (Diptera) of Southeast Asia	Royal Belgian Institute of Natural Sciences
Morphological and molecular identification of African fruit flies (Diptera, Tephritidae)	Royal Museum for Central Africa, Tervuren
On the job training in family level identification of a hyperdiverse insect group: The Beetles (Coleoptera)	Natural History Museum, London
Training programme in palaeoentomology with specialisation in planthoppers (Insecta: Hemiptera: Fulgoromorpha).	Museum and Institute of Zoology, Polish Academy of Sciences
Training programme in Entomology with specialization in fossil insects: implications for phylogeny, biogeography, and palaeoecology	Muséum national d'Histoire naturelle, Paris
Elasmobranch teeth enameloid microstructure as a taxonomic criterion	Natural History Museum of Denmark
How can eco-ethological peculiarities together with classical morphological taxonomy be helpful in defining uniqueness of island populations: the case of Mediterranean <i>Podarvis</i> Lacertid lizards	Museo di Storia Naturale - Università di Firenze
Morphological approaches to the evolutionary developmental biology of vertebrates	Museum für Naturkunde, Berlin
Southeast asian primates taxonomy in Dubois collections	Nationaal Natuurhistorisch Museum Naturalis

ANNEX 2**SUMMER SCHOOLS COURSE TOPICS**

2008		
Topic	Training provider(s)	Institution, Country
Welcome and General Introduction to the national parks of Alpi Maritime and Mercantour	Local rangers	Parco Naturale Delle Alpi Marittime
Introduction to Taxonomy: What's in a name?	Henrik Enghoff	Natural History Museum of Denmark, Denmark
History of Taxonomy	Mariette Manktelow	Dept of Systematic Biology, Uppsala University, Sweden
Biodiversity of the entomophagous parasite Strepsiptera and their hosts (seven orders) in the Mercantour/Alpi Maritime Region	Jeyarany Kathirithamby, Dino P McMahon, Alexander Hayward	University of Oxford, United Kingdom
DNA-barcoding and molecular phylogeny: Introduction to molecular taxonomy	Floris Breman, Olivier Raspé	Royal Museum for Central Africa, Royal Belgian Institute of Natural Sciences & National Botanic Garden of Belgium, Belgium
Fieldwork methods for plant inventory and sampling	Sandrine Godefroid, Fabienne Van Rossum	National Botanic Garden of Belgium, Belgium
Introduction to systematics of bees	Sébastien Patiny	Gembloux Agricultural University, Belgium
Biodiversity	Natasha de Vere	National Botanic Garden of Wales, UK - Wales
Biodiversity information and cybertaxonomy	Anne-Sophie Archambeau	GBIF France, France
EDIT : All-taxa Biodiversity and Monitoring	Christoph Hauser	Staatliches Museum für Naturkunde Stuttgart, Germany
Entomology: Using Taxonomy/Global diversity and the rain forests/taxonomy of long legged flies or dolichopodids	Patrick Grootaert	Royal Belgian Institute of Natural Sciences, Belgium
European Mobility for students and researchers	Jozef Vanraepenbusch	EUROGUIDANCE Flemish Department for Education and Training (DBO), Belgium
Introduction to the geographical aspects of biology field work	Bart Meganck	Royal Museum for Central Africa, Belgium
Job opportunities for scientists at the European Union	Isabella Van de Velde / Patricia Mergen	Royal Belgian Institute of Natural Sciences / Royal Museum for Central Africa, Belgium
Species reality in asexuals: the example of bdelloid rotifers	Diego Fontaneto	Imperial College London, United Kingdom
Bioacoustics. Field and laboratory equipment for sound recording and analysis	Gianni Pavan	Centro Interdisciplinare di Bioacustica e Ricerche Ambientali - University of Pavia, Italy
Xper2: training and example of a management system for description and free-access identification key	Régine Vignes, Hélène Fradin, Elise Kuntzelmann	Museum National d'Histoire Naturelle (University Pierre et Maris Curie), Paris, France

2009		
Topic	Training provider(s)	Institution, Country
Welcome and general introduction to national park Muranska Planina	Eduard Stloukal & Katarina Necpalova	Comenius University in Bratislava, Bratislava, Slovakia
Introduction to Taxonomy	Christoph Hauser	Museum für Naturkunde, Berlin, Germany
Mammalia of the Muranska Planina NP	David Ziak	Comenius University Bratislava, Bratislava, Slovakia
Birds of the Muranska Planina NP	Michal Balaz	Comenius University Bratislava, Bratislava, Slovakia
Identification of Diptera, Simuliidae of Western Carpathians	Viera Stloukalova	Comenius University Bratislava, Bratislava, Slovakia
All taxa biodiversity Inventory and monitoring (ATBI + M) as a new approach for improving biodiversity management for protected areas	Marta de Biaggi	Parco Regionale Naturale Alpi Marittime, Cuneo, Italy
Collection management and basic taxidermy	Garin Cael	Royal Museum for Central Africa, Belgium
Diversity and taxonomy of the European chalcid wasps (Hymenoptera: Chalcidoidea)	Mircea-Dan Mitroiu	Alexandru Ioan Cuza University, Romania
Hymenoptera: taxonomy, biology, phylogeny, preparation, collecting	Cees van Achterberg	National Museum of Natural History Naturalis, Leiden, Netherlands
Biodiversity of the entomophagous parasite Strepsitera and their hosts (seven orders) in the NP Muranska Planina	Jeyaraney Kathirithamby, Alexander Hayward	University of Oxford, Oxford, United Kingdom
EU Funding opportunities for students and research	Vanessa Demanoff	Museum National d'Histoire Naturelle, Paris, France
Geo-referencing in the field and in the lab	Pere Roca Ristol	Museo Nacional de Ciencias Naturales, Madrid, Spain
Introduction to the geographical aspects of biology field work	Bart Meganck	Royal Museum for Central Africa, Belgium
Introduction to field work with macromycetes (Fungi)	André Fraiture	National Botanic Garden of Belgium, Meise, Belgium
Plant taxonomy and systematics covering all group of land plants	Marcus Lehnert, Martina Petru	State Museum for Natural History, Stuttgart, Germany
Tools and software for data-recording	Alexander Kroupa	Museum für naturkunde, Berlin, Germany
Xper2: training and example of a management system for description and free-access identification key	Régine Vignes	University Pierre et Marie Curie, Paris, France

2010		
Topic	Training provider(s)	Institution, Country
The history and importance of the Madeira Nature Reserve, natural resources management and sustainability, UNESCO World Heritage site Laurisilva Forests of Madeira	Claudia Delgado	CIIMAR - Centre of Marine and Environmental Research of Madeira, Portugal
Madeira Island Land Snails	Dinarte Nuno Teixeira	Direcção Regional do Ambiente (Regional Environmental Department of Madeira Government), Portugal
Botanical collections - collecting, documentation, databasing	Ernst Vitek	Natural History Museum Vienna, Austria
Collection care and management	Garin Cael	Royal Museum for Central Africa, Belgium
Digital identification tools and user-generated content	Stefano Martellos	University of Trieste, Italy
EDIT : All-taxa Biodiversity and Monitoring	Marie-France Leccia	Parc National du Mercantour, France
Entomological research in protected areas: Coleoptera	Luca Bartolozzi	Museum of Natural History of the University of Florence, Italy
Leafhoppers of Madeira: taxonomy, endemism and reproductive biology	Doris Pombo	University of Madeira, Portugal
EU Funding opportunities for students and research	Vanessa Demanoff	Museum National d'Histoire Naturelle, France
Introduction to geo-referencing : how to use a GPS, a practical introduction	Bart Meganck	Independent
Island biogeography and evolution of plants	Rosalind Searle	Open University, UK
Surveying bats for distributional and ecological studies: methods and applications	Danilo Russo	Università degli Studi di Napoli Federico II, Italy
Marine Macroalgae	Willem Prud'homme van Reine	Netherlands Centre for Biodiversity Naturalis (NHN), The Netherlands
Taxonomy in Ornithology - Madeira	Stijn Cooleman, Michel Louette	Royal Museum for Central Africa, Belgium
Sampling continental freshwater	Antonio Valdecasas	Museo Nacional de Ciencias Naturales, Spain
Moss dwelling Tardigrada - from sampling to their identification	Peter Degma	Comenius University, Slovakia

ANNEX 3**MODERN TAXONOMY PROGRAMME 2010-2011**

Course title	Place/Date
Zoological Nomenclature	Museo Nacional de Ciencias Naturales, Madrid 30 July-1 August 2010
Conservation and Care of Natural History Collections	Natural History Museum, London 11-15 October 2010
Basics of taxonomy: describing, illustrating and writing biodiversity	Sven Lovén Centre for Marine Sciences, Kristineberg 8-19 November 2010
Biological Nomenclature	Muséum national d'Histoire naturelle, Paris 8-12 November 2010
Phylogenetic Systematics and Molecular Dating	University of Copenhagen 17-28 January 2011
Botanical Nomenclature	Royal Botanic Gardens, Kew 24-28 January 2011
DNA-Barcoding	Muséum national d'Histoire naturelle, Paris 7-11 February 2011