

## Sustainable Development Education – Annual Report 2011-2012

**The project made significant progress in all areas outlined for the College sector in the Scottish Government's Action Plan for the Second Half of the UN Decade of Education for Sustainable Development: Learning for Change. Specifically:**

The project worked with EAUC, People and Planet, HE Academy, Education Scotland, SQA and the National Union of Students in supporting students to develop approaches to, and evaluation of, Sustainable Development Education. Green Dragon's Den and the Liberating the Curriculum and other cross sector, collaborative and student led events were very successful and show every sign of becoming a permanent feature of the Scottish response to the UNDESD.

Working with SQA qualifications teams to embed the principles of Sustainable Development into new course provision: CfE Environmental Science; PDA Sustainable Business Practice; Sustainability built in to NQ3 Practical Craft Skills & NQ3 Design & Technology

Identifying and sharing good practice in SDE with all involved in the college sector. Currently we are working with others in the sustainable development education community to establish a UN Regional Centre of Excellence for SDE based in Edinburgh and representing interests of Scotland bringing together the primary, secondary and tertiary sectors. *Scotland's Colleges* will for an integral part of this collaboration.

Elaine and I conducted a continuing programme of development visits to College Management and Curriculum Teams in relation to SDE: A number of development visits have been made to individual colleges, subject networks and national conferences. For details see the completed work programme grid (Appendix 1) and Elaine's College Engagement Report (Appendix 2).

Promoting and supporting the provision of Continuing Professional Development in relation to SDE to teaching staff across the whole college sector: successful completion of the PLDF 'Refresh' exercise of initial lecturer standards.

We continue to act as a hub for disseminating best practice / new research in SDE and creating a clearing house for knowledge transfer activities: engagement with enterprise and other groups active in the sector; broadening access to *Scotland's Colleges* Sustainability News; acting in an advisory role on Scottish Government's UNDESD Steering Committee.

We continued to build a repository of appropriate resources to support delivery of Sustainable Development Education: resources from existing COLEG Repository are now being identified to support new curriculum developments in SDE. Sustainable development Staff workbooks, developed by Elaine at Dumfries College, have been purchased by Scotland's Colleges and will be issued to every college in Scotland free of charge. Five test colleges will pilot the hairdressing SDE packs, again free of charge.

Supporting others in the field in promoting sustainable development in estates strategies, carbon management plans, corporate social responsibility, community engagement, etc and by building on what we have already achieved.

Further embed the principles of Sustainable Development into the corporate fabric of *Scotland's Colleges* and establish a long-term legacy for the project within the sector as a whole: new policy document has been devised and circulated to *Scotland's Colleges*.

John Salter

24/08/2012

## Appendix 1

### Project Breakdown: SC SDE Annual Report June 2012

Overall aim to embrace and further the aims of Scottish Government for the second half of the UNDES D;

	Objectives	Commentary	Learning for Change: Scottish Government Objective No.	REVIEW (Extent of Achievement)
<b>1</b>	<b>Working with EAUC, People and Planet, HE Academy, Education Scotland, SQA and the National Union of Students in supporting students to develop approaches to, and evaluation of, Sustainable Development Education:</b>			
1.1	Creation of a network of Student Sustainability Champions represented on the Student Associations of each of Scotland's colleges.	This is happening albeit on an <i>ad-hoc</i> / informal basis.	2 & 3	There is likely to be more formal development in this area as we move into the final years of the decade.
1.2	Support student networks through provision of development visits, visiting speakers, learning resources, etc	'Green Dragons' Den' workshops were delivered to all colleges who requested one, workshops on sustainability on campus delivered at NUS Scotland's	2 & 3	Target achieved

		annual 'Gathering' and People & Planet's 'Sustainable Futures Forum'		
1.3	Making funds available to student bodies for small projects relating to Sustainable Development Education.	The Green Dragons' Den competition was an unqualified success – with 28 entries from colleges throughout Scotland. Over 100 attended the event at Jewel and Esk. £2000 of prizes were distributed to student groups all of which will go to student sustainability projects	2 & 3	Target achieved in full and a similar project should be considered for 1212-2013 (see Green Dragon's Den Report).
1.4	Support national competitions for student groups and individuals to celebrate best practice in Sustainable Development Education.	The Green Dragons' Den competition (see above) was open to student groups and individuals.	2 & 3	As above
1.5	Host one national student event per annum	An event will be held in partnership with People & Planet in April at Jewel and Esk college. This day event will focus on 'green skills', as well as hosting the awards ceremony for the Green Dragons' Den	2 & 3	Held April 21 2012
1.6	Facilitate three regional student networking events per annum	Promoted People & Planet's 'Sustainable Futures Forum' for university and college students.	2 & 3	Target partially achieved
<b>2</b>	<b>Working with SQA qualifications teams to embed the principles of Sustainable</b>			

	<b>Development into new course provision</b>			
2.1	Engagement with CfE Subject Working Groups and QDT's	SWG Environmental Science	4	Completed March 2012. Work is now starting on developing resource materials.
2.2	Membership of one SQA CfE Subject Working Group	Unit writing Sustainable Development at National 3,4,5 and 6	4	Completed March 2012
2.3	Continued engagement with those developing vocational curriculum – SQA, Sector Skills Councils, Professional Bodies.	<p>Setting up business case for Sustainable Business Practice with Cogent and SQA.</p> <p>Engagement with Construction Scotland &amp; its Planet &amp; 20/20 Group through Subject Mentor Jenny Kellie</p> <p>Sustainability built in to NQ3 Practical Craft Skills &amp; NQ3 Design &amp; Technology e learning material &amp; phone apps (Garry Cameron &amp; Jenny Kellie)</p>	5	<p>SBP now progressing to validation. Project consultant contracted by SQA to draw up all documentation.</p> <p>Otherwise ongoing</p>
<b>3</b>	<b>Identifying and sharing good practice in SDE</b>			

	<b>with all involved in the college sector</b>			
3.1	Four quarterly reports detailing developments within the SC SDE project and within the sector in general	This is our second report since the funding was confirmed in September 2011.	1	2 reports out of 4 – target partially achieved
<b>4</b>	<b>Conducting a continuing programme of development visits to College Management and Curriculum Teams in relation to SDE</b>			
4.1	Continue to provide this service to colleges on request	<p>2 x 3 CPD sessions at North Glasgow College</p> <p>2 CPD sessions at Dumfries and Galloway College (Dumfries and Stranraer campuses)</p> <p>Staff development visit to City of Glasgow College (Hospitality and Tourism)</p> <p>Staff development visit to Forth Valley College (Hospitality, Tourism, Hair and Beauty). Jewel and Esk; Elmwood College; Perth College</p>	6	Target achieved in full. Elaine will draw up a full report of this area of the project – July 2012.
<b>5</b>	<b>Promoting and supporting the provision of Continuing Professional Development in relation to SDE to teaching staff across the</b>			

	<b>whole college sector</b>			
5.1	Working with the PLDF and provision providers in promoting formal staff development in SDE, incorporation of SDE principles into Lecturers Professional Standards and reporting progress to the SFC	Short Term Working Group set up – principles of sustainable development and Global Citizenship embedded in initial lecturer education standards. CPD review still to be carried out. (See SC Report to PLDF).	6	Target achieved in full –February 2012. CPD Standards to be addressed 2012-2013.
<b>6</b>	<b>Acting as a hub for disseminating best practice / new research in SDE and creating a clearing house for knowledge transfer activities</b>			
6.1	Creation / funding / support of two PhD research studentships to evaluate student responses to SDE and the UNDESSED	Support (indirect) for Elaine Crawford and her PhD research project	2	Partially achieved
6.2	Continued ongoing networking activities with SDEN; HE Academy; EAUC	2 events held May / June 2012. Networking activities are ongoing  Liberating the Curriculum held 01/06/2012.  Full engagement with the Scottish Regional Centre of Expertise	1 & 4	Liberating the Curriculum event a success particularly in terms of partnership working (see report).  RCE application progressing.

		application.		Target achieved
6.3	2 x presentations at national conferences promoting the SC SDE programme	EAUC Scotland Conference; Hospitality conference (Stirling); etc	1 & 4	Target achieved
6.4	An annual practitioner workshop / networking event	Event planned in partnership with SDEN 28/06/2012	1 & 4	Cancelled
<b>7</b>				
<b>7</b>	<b>Continuing to build a repository of appropriate resources to support delivery of Sustainable Development Education</b>			
7.1	Compiling a compendium of college derived Sustainable Development Education resources	This is ongoing but requires further input and work.  Additional LDB resources have been identified. LDB has offices at City of Glasgow College, Moray College & Historic Scotland  <a href="http://peopleandplanet.org/transition-ideas">http://peopleandplanet.org/transition-ideas</a> resources to be posted on the Scotcol website  Sustainable development Staff workbooks have been purchased by Scotland's Colleges and will be issued to every college in Scotland free of	1	Ongoing

		charge. 5 test colleges will pilot the hairdressing packs again free of charge.		
7.2	Continued development and update of the SC SDE bookmarking and associated sites	Little activity as yet – requires attention	1	Some progress made
7.3	<i>Scotland's Colleges</i> Subject Mentors to commission and create vocationally relevant sustainable development resources for each curriculum area (see exemplar workbook) – one per network in the first year	<p>Materials being developed (not directly by SC but by Elaine Crawford in her role at Dumfries and Galloway College as a commercial venture). The first workbook on introducing staff to SDE is on sale now, vocationally relevant workbooks for students will be available for Hairdressing, Construction, Health and Social Studies and Beauty in the next 2 months.</p> <p>Working with Jenny Kellie, Subject Mentor Built Environment, Energy &amp; Renewables in her role as Director LDB e Learning who works with Dundee College, Construction Skills, SummitSkills, Asset Skills, Historic Scotland &amp; Energy Europe etc to develop learning &amp; teaching resources</p>	1	Progress anticipated on a variety of fronts.
7.4	Sustainability News currently available on the SC website to be formatted as a monthly digest and	This is becoming user friendly but requires wider dissemination. Colin	1	Partially achieved

	posted as an E-zine to networking groups	Buchanan, Murray Allan and Jenny Kellie work hard to make the information available but this needs to be promoted more widely perhaps through College Principals to encourage a wider readership.		
<b>8</b>	<b>Supporting others in the field in promoting sustainable development in estates strategies, carbon management plans, corporate social responsibility, community engagement, etc. and by building on what we have already achieved</b>			
8.1	Engagement with and support for the NUS and other student groups delivering the student led objectives for the second half of the decade	ESD Event (Topic Support Network) held June 1st 2012. Green Dragon's Den.	1, 2 & 3	Target achieved
8.2	Continued engagement with EAUC (3x Scottish Steering Committee meetings)	3 x meetings attended	1 & 8	Target achieved in full
<b>9</b>	<b>Generating a greater understanding of SDE through increased engagement with the school and university sectors and creating some sense of continuity of approach to SDE across primary, secondary and tertiary education</b>			

9.1	Continued networking activity and committee engagement with the SDEN; Eco-schools; HE Academy (1x group seminar per annum)	Seminar programmed for June 2012. Currently we are actively involved in the application to set up a UN Regional Centre of Excellence to cover all of Scotland.	1 & 4	Target achieved
9.2	UNDESD working group meets 3x per annum	3 meetings attended and updates submitted to Scottish Government	1 & 2	Target achieved in full
<b>10</b>				
<b>10</b>	<b>Further embed the principles of Sustainable Development into the corporate fabric of <i>Scotland's Colleges</i> and establish a long-term legacy for the project within the sector as a whole</b>			
10.1	Designation of a senior member of Scotland's College staff to overall responsibility for sustainable development	John McCann (SMT) Colin Buchanan (Operational) designated	4 & 8	Achieved
10.2	<i>Scotland's Colleges</i> to devise and periodically evaluate a Sustainable Development Policy	Policy drawn up and submitted for Senior Management approval	4 & 8	Partially achieved (See SC SDE Policy).
10.3	<i>Scotland's Colleges</i> to make a Climate Change Commitment (UCCCfS) in line with Scottish Government (College sector) targets and to establish and implement objectives and targets in furtherance of this	No progress	4 & 8	Target not achieved.

10.4	Designation of a named member of permanent <i>Scotland's Colleges</i> staff to responsibilities in each of the following areas: waste; energy; travel, and; sustainable procurement	Some progress SC has subject mentor for, energy & renewables.	4 & 8	Target partially achieved
10.5	<i>Scotland's Colleges</i> to join with EAUC and attend four CPD events per year – one event each for; Sustainable Development Education; waste; energy, travel, and; sustainable procurement	No progress	4 & 8	Target not achieved
10.6	<i>Scotland's Colleges</i> to host regular – twice yearly – internal updates (CPD) in relation to the sustainable development agenda	No progress	4 & 8	Target not achieved
10.7	Senior Management representative of <i>Scotland's Colleges</i> to update the <i>Scotland's Colleges</i> Board annually on progress towards meeting the above objectives	Target agreed in principle	4 & 8	Watch this space

## Appendix 2

### **Education for Sustainable Development College Engagement Report**

The following is a summary of the work I have undertaken relating to college engagement with Education for Sustainable Development (ESD) since October 2011.

#### **1. College Visits**

Details of specific work undertaken within colleges follows:

##### **1a. Dumfries and Galloway College**

Due to my role as the Sustainable Development Adviser at Dumfries and Galloway College, engagement within the college with ESD is continuous. The progress achieved to date was recognised during a recent college review by Education Scotland, as excellence in approaches to sustainability was highlighted as a Showcase for Excellence and received a Sector Leading Innovative Practice award.

A college project 'Lug-a-Mug' was commended at the Green Dragon's Den event and one of the 'Dragons', Hamira Khan, offered their support to help progress the project further. Since the Green Dragon's Den, the team leader of the Environmental Management Team from the Scottish Government, Susan Herbert, along with two members of her team visited the college to see the project in action and get advice to start their own lug-a-mug scheme in the Scottish Government buildings in Edinburgh.

##### **1b. City of Glasgow College**

A presentation was given to approximately 30 staff and students from the Hospitality and Tourism department of the college on how to embed ESD in the curriculum.

##### **1c. Forth Valley**

The first visit was to present to staff from Hospitality, Tourism and Hair and Beauty on embedding ESD in the curriculum, a few students also attended this presentation. As a result of this visit, I returned a second time to the college to present specifically to Tourism students.

##### **1d. Adam Smith**

I met with Christine Laing, the Hairdressing Department Manager to discuss the possibility of working with the college in creating an 'eco-salon'. The college is waiting to hear if they have secured funding from the European Union for this project.

### **1e. North Glasgow**

I attended as part of their staff development week and presented to over 50 staff throughout the day on ideas to embed ESD in the curriculum. The staff who attended were from across the curriculum. Due to the positive feedback received on the day, the college has requested if I will continue to work with them next session to keep the momentum achieved on the day going.

### **2. Indirect College Engagement**

There now follows a summary of work undertaken out with colleges:

#### **2a. Scotland's Colleges Scottish Hospitality Association Event**

I presented on embedding ESD within hospitality and the relationship between food and sustainability.

#### **2b. Environmental Association of Universities and Colleges Event on Graduate Attributes**

I presented on sustainability as a graduate attribute focusing on ESD in hairdressing and the challenges of engaging teaching staff with ESD when they do not view it as central to their subject.

#### **2c. Scotland's Colleges Grow Your Own Curriculum Event**

I presented on ideas to embed ESD across the curriculum utilising the informal curriculum to strengthen classroom learning with particular focus on joint projects with college student associations.

#### **2c. People and Planet's Green Dragons Den Workshop**

I conducted a workshop entitled 'Beauty Shouldn't Cost the Earth' looking at sustainable beauty products and fashion ideas.

#### **2d. Scotland's Colleges Hairdressing Webinar**

I presented to hairdressing lecturers from a number of colleges across Scotland via webinar on sustainability issues in hairdressing.

#### **2e. Scotland's Colleges Subject Network Event for Hair, Beauty and Complimentary Therapies**

I presented on embedding ESD in the curriculum in relation to these subject areas.

## **2f. People and Planet's Liberating the Curriculum**

I presented on ideas to embed ESD in the curriculum for hair and beauty.

## **3. Teaching Materials**

This is a summary of teaching materials I have developed at Dumfries and Galloway College that are now available for other colleges to purchase:

### **3a. Staff Development Workbook**

This workbook is designed to introduce staff to sustainability issues and gives some examples of how to start embedding ESD in the curriculum. It is also designed as a snapshot of the curriculum teaching materials being produced. This workbook is being purchased by Scotland's Colleges for distribution to all colleges in Scotland (see copy).

### **3b. Hairdressing Heroes**

An ESD workbook for the hairdressing curriculum is now available priced at £400. This includes two workbooks, one for students with activities to complete and a version for staff with answers and guidance provided for all activities.

### **3c. The Construction Challenge**

An ESD workbook for the construction curriculum is now available priced at £400. This includes two workbooks, one for students with activities to complete and a version for staff with answers and guidance provided for all activities.

### **3d. Other Curriculum Areas**

Similar workbooks to the ones already produced will be available for beauty and health and social studies in September 2012. Other areas of the curriculum will be assessed and further workbooks produced during session 2012/13.

## **4. Research**

All work being undertaken in relation to embedding ESD in the curriculum is being assessed as part of my PhD where I want to determine which methods are proving the most successful in terms of staff and student engagement. As a result of the work I have conducted so far, research will continue at Dumfries and Galloway College during 2012/13 when focus groups with staff and students will commence to determine the effectiveness of approaches taken to date. Forth Valley College and North Glasgow College have both indicated they would be willing for me to conduct research also with their staff and students. Obviously prior to any research starting the appropriate ethical considerations and approvals

will be obtained. Permission will also be requested from all participants and confidentiality of all individuals will be guaranteed.

Elaine Crawford

June 2012

