

Elin McCallum, Bantani Education, Expert for the European Commission, European Training Foundation and UNESCO-UNEVOC- foreword/reflections...

UWTSD has been a pioneer in the development of entrepreneurial education and training for countries around the world, as well as in Wales itself. This transferable knowledge and experience has been born from the vision and commitment of the university, and supported by the investment made by Welsh Government and others for this into this strategic priority.

During this review process, it is clear that entrepreneurial learning experiences are embedded across the student pathway through teaching, learning and career guidance, with a range of student start-up support driving a high number of sustainable start-ups from such a small university. Entrepreneurial competences are valued and valuable by both students and teachers, while entrepreneurial teaching and learning is supported by a high level of engagement into course design, delivery and assessment by community and business stakeholders. The influence of the university to innovation in teaching and learning at UK and international level is evident, a particular example being their involvement in designing the recent AdvanceHE Framework for Enterprise and Entrepreneurship Education¹ to help institutions and teaching staff introduce activities and experiences so that students develop and practice being enterprising and entrepreneurial.

There is still opportunity to improve the depth and breadth of engagement from across the university. While many teaching staff are already involved, this is not yet universal and more staff training and avenues for recognition would support this. There is an ongoing effort of mapping entrepreneurial learning against the QAA guidelines² enabling a clearer understanding of the entrepreneurial competences developed at course level. This will identify the gaps/opportunities to revise and adapt courses, and guide the next steps of providing students with more experience of the entrepreneurial process and ensuring that all entrepreneurial competences are enhanced through the learning process. While start-up provision is significant, there is the scope to develop a bigger focus on social entrepreneurship and to expand the physical space dedicated to supporting and hosting aspiring and nascent start-up entrepreneurs.

All of this work is about translating the university's strategic commitment to creativity, innovation and entrepreneurship into grassroots actions across all areas of the institution, with evident commitment to continuing activity and continued improvement. Through their

¹ <https://www.advance-he.ac.uk/knowledge-hub/framework-enterprise-and-entrepreneurship-education>

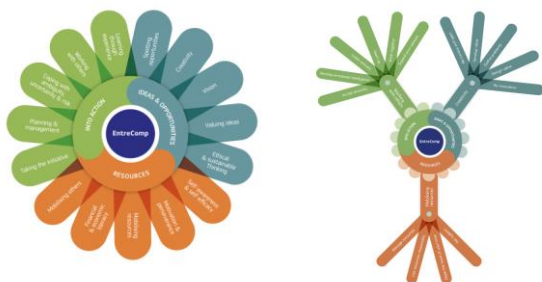
² https://www.qaa.ac.uk/docs/qaas/enhancement-and-development/enterprise-and-entrepreneurship-education-2018.pdf?sfvrsn=15f1f981_8

work, UWTSD is taking great strides forward both as a pioneering entrepreneurial university and as an international thought-leader for entrepreneurial education.

Elin McCallum - Originally a youth worker and VET teacher, Elin has specialised in entrepreneurial education for the past 16 years. After 12 years in education and economic development policy roles with European Commission and Welsh Government, in 2016 she co-founded Bantani Education as a non-profit to drive this work forward. Bantani is now working globally to build new collaborations, develop stronger networks, and create new ways to innovate and experiment in the area of entrepreneurial education and learning for life-skills. Bantani are the innovation lead for a number of EU initiatives, developing a global community of practice through entrecomp360.eu, designing a teacher competence framework and supporting training through entrecompedu.eu and working with national and regional governments/stakeholder communities in entrecompeurope.eu. She has contributed to European Commission Eurydice studies on entrepreneurship and citizenship education, as well as EntreComp-related publications including 'EntreComp into Action' and 'EntreComp at Work' published by the European Commission.

UWTSD Future Proofing Education: the entrepreneurial imperative. Making an impact during 2019

Working in collaboration with Welsh Government, and informed by the research from our International Institute for Creative Entrepreneurial Development, we aim to provide all students with opportunities to develop their entrepreneurial competencies, as indicated in the Entrecomp framework that we helped to develop.



Creativity and innovation are at the heart of University of Wales Trinity Saint David's (UWTSD) mission to enhance graduate employability and the number of graduate start-ups. Our aim is to utilise our collective skills, knowledge and technology to enable the University and its graduates to offer solutions to the most urgent societal challenges – in Wales and further afield. We are committed to building a sustainable society driven through enterprising innovation and entrepreneurship.

Innovative learning and industry collaboration have always been a key focus at the University, creating more opportunities for students and enhancing their prospects after graduation. This unique approach of bringing students, academics and businesses together enables them to explore ideas and create opportunities for the development of new sustainable businesses, products and services. These abilities are especially important in small businesses, where many graduates wish to kick start their careers.

UWTSD has a long-standing reputation in the field of creative entrepreneurial development. Why 'creative' entrepreneurial development? Because creativity is an essential skill for any one, for any career and we never forget that the starting point for innovation is creative ideas. We think beyond start-up, and look at the entire educational journey, as is reflected in our work in schools and the development of the new Welsh curriculum.

We are internationally connected and support many other countries, from whom we also learn and bring our insights back to Wales. By engaging well beyond our local networks, we exploit synergies by participating in, and leading on Erasmus + funded European projects. We currently lead the European Arts and Humanities Entrepreneurship Hub, where we work with 14 partners from 7 EU member states to improve the entrepreneurial capacity of Arts and Humanities students. Through helping to develop EntrecompEdu, we share expertise with our education colleagues and students to enhance and evaluate their entrepreneurial competencies.

See more at <https://www.artshumanitieshub.eu> and <http://entrecompedu.eu>

“UWTSD’s IICED is widely recognised as one of the world’s foremost institutions in creativity-based entrepreneurship education. IICED has not only been active in advising the UK government in the field of entrepreneurship education but its publications have also been leading discussions at an international level.”

Yves Punie EU Joint Research Centre, 2016

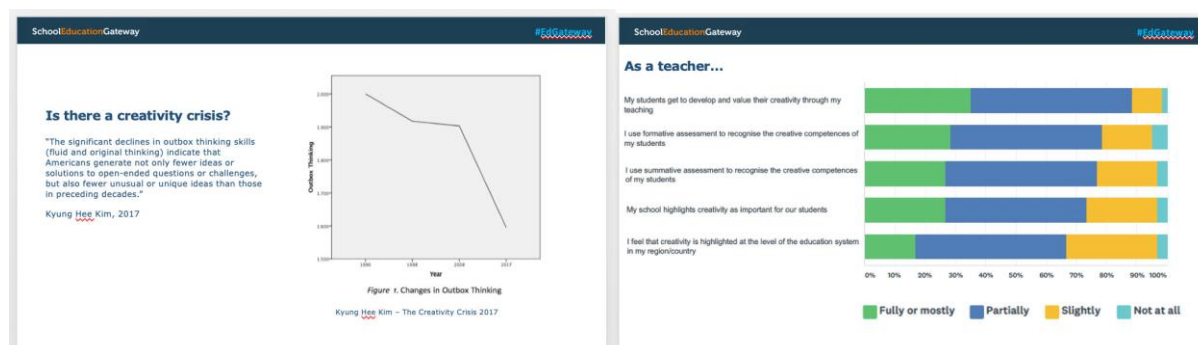
To summarise, UWTSD is all about communities; we learn from our people, students, graduates, staff and our partners who sustain us, and we in turn sustain others through our insights.

Our think tank, unlocking entrepreneurial potential



From 2019 to 2021 the Enterprise team are leading a number of student and staff activities funded by the Welsh Government, to develop and nurture self-sufficient entrepreneurial people who will contribute positively to economic and social success. To achieve this we need to be aware of cutting edge research and findings from international colleagues - learning that informs our approaches and guides our thinking. In 2019 we have been ‘thought leaders and advisors’ on the development of the EU / OECD HEInnovate ‘EPIC’ project - developing meaningful assessment tools for the Higher Education community, due for launch on the OECD’s website in early 2020.

In partnership with Bantani Education and the European Education Gateway, we have been working to address the ‘Creativity Crisis’ - as research indicates significant decline in international schooling.



We have also been working on developing the new Curriculum for Wales, through AoLE workshops and providing two independent reviews on the development of Wider Skills across the AoLE. We are ensuring the development of an entrepreneurial pipeline that will benefit all learners in Wales.

Our students

As our Business School celebrates, we are 'not business as usual'. Importantly, many projects are designed to support our community, such as our first year business management students raising over £1200.00 for local charities after being tasked with delivering projects to help shape their entrepreneurial skills through innovative learning and collaboration.



Matthew Kilgariff and Jordan Collier, were engaged as student marketing interns, by Egni Co op, to support their aim to install up to 5,000 kw of solar on 250 sites across Wales, successfully raising £473.000 in community shares.



We have festivals of enterprise, competitions, hackathons, internships, and a space for students to run events, including pop up shops.

It's *Not Business As Usual* at our **Swansea Business Campus**. All programmes have been designed in consultation with industry experts and are designed to instil in graduates the attributes desired by employers such as innovation, creativity and an enterprising mindset. Many of our courses offer accreditation with professional bodies such as ILM, CIPD and ACCA.



In numbers

1712 students engaged in activities raising awareness of start-up as a career option.

608 students were empowered by participating in activities to increase their entrepreneurial capacity

235 students tested their business ideas

93 students and graduates received support to take forward their own businesses.

72 started a business either whilst studying or after graduation.

Our community

Engaging with our community; working together for meaningful commercial, social and cultural impact is crucial. Creative Bubble is a collaboration with Swansea BID, where we continuously develop engaging activities to make the Commercial Hub of the Swansea Bay City Regions a better

place to shop, visit, stay, study and do business with. The joint objective is simply to improve and grow the economy and vibrancy of the area. Creative Bubble is an empty retail unit that students (and graduates) can use to host exhibitions and run pop up shops. Financially valued at £20,000, but the expertise is priceless. Creative Bubble also links up with local businesses in the area to share entrepreneurial knowledge and experience with the students. Over 300 students ran pop-up projects in the shop during 2019 attracting over 3,500 visitors. More at <https://www.uwtsd.ac.uk/creative-bubble/bubble-facts/> and <https://www.facebook.com/swanseacreativebubble>



A Fine Art pop-up shop at Creative Bubble and a visit from Toyo University in 2019

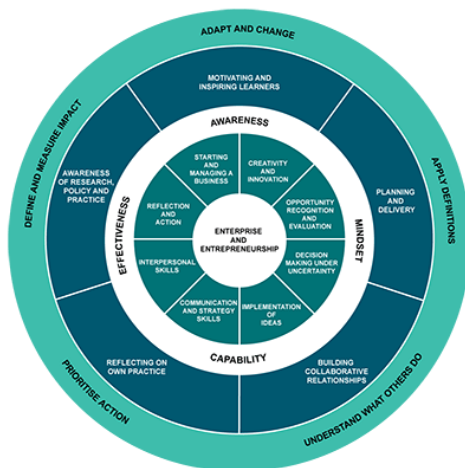
Our entrepreneurial alumni are invaluable to our support, (700+ run their own businesses), they readily share their expertise, such as our Surface Pattern alumna from 2014, Harriet Popham, who shared her experiences over pizza, whilst launching a pop up shop for current students, as part of our Global Entrepreneurship Week activities.



Surface Pattern Design graduate Harriet Popham talking to current students.

Our staff

Our Vice Chancellor supports and actively participates in the delivery, and enthuses us to go further. We host flagship events that draw on local and international expertise:-



Speaker's UWTSD Emeritus Professor Dr Andy Penaluna, Elin McCallum, Bantani Education, UWTSD Vice Chancellor Medwyn Hughes, Carys Roberts, Welsh Government Youth Entrepreneurship Network Manager and UWTSD Visiting Professor Dr Colin Jones, our audience and MC our performing arts graduate Jay Smith at the pan Wales collaboration 'The How To of Entrepreneurial Learning'. We also launched the new AdvanceHE Framework for educators - that we helped to develop.

You can see more about the event here <https://emergenthinkers.com/2019/11/12/lifeworld-and-lifelong-development-the-transformative-power-of-entrepreneurial-learning/> and Jay here <https://businesswales.gov.wales/bigideas/profile/jay-smith>

Our academics and professional staff are committed to our vision to develop entrepreneurial and creative skills, and supporting them are 12 academic champions of enterprise, who work across campuses and subjects. Proudly, this includes the winner of the 2019 Enterprise Educators UK Enterprise Catalyst Award, James Williams. Find out more about his enterprising masterclasses, hackathons and student and graduates stories here <https://uwtsdcomputing.blog>



By challenging norms to find solutions; the creativity and innovation we endeavour to stimulate in all of our activities needs to be protected and managed. A unique feature of our offering are our intellectual property workshops, which are available to all areas of study, and also used to support Big Ideas Wales at their bootcamps. As we are advisors to the UK Intellectual Property Office's Education and Knowledge and Exchange Department's IP in University and College (IPUC) Steering Group, we can bring up to date insights into all learning environments.

Contactability

Students, graduates, staff or community members can easily get in touch with a single click to: enterprise@uwtsd.ac.uk

Our Thanks

With grateful thanks to final year students Kaylee Francis and Viv Collis for so readily providing their photographic expertise to capture UWTSD activities and for the privilege to use the work of our illustration graduate Karl James Mountford; extracts from visual minutes that captured our events with unbelievable speed and in real time. See more at: <https://www.uwtsd.ac.uk/art-design/illustration/illustration-case-studies/karl-mountford/>