

WORLDSKILLS

Improving our world
with the power
of skills.



OUR VISION

Improving our world with
the power of skills.

OUR MISSION

To raise the profile and recognition of skilled people, and show how important skills are in achieving economic growth and personal success.

OUR POSITION

The global hub for skills excellence
and development.

WHAT IS WORLDSKILLS

As an international movement, WorldSkills is the global voice of professional skills promotion.

We use Competitions and Projects, Education and training, Advocacy, Research, Career, and International development and cooperation to bring together industry, government, and education organizations to drive an international skills agenda designed to create economic stability and growth for all people and freedom of choice for all youth.



WHAT IS WORLDSKILLS?

WorldSkills is the global hub for skills development and excellence. Through International cooperation and development between industry, government, organizations, and institutions, we promote the benefits and need for skilled professionals through grass-roots community projects, skill competitions, and knowledge exchange.

We show how important skills education and training is for youth, industries, and society by challenging young professionals around the world to become the best in the skill of their choice.

**Together we can
raise the awareness
and profile of the
WorldSkills movement
throughout the world.**

WHAT IS WORLDSKILLS?

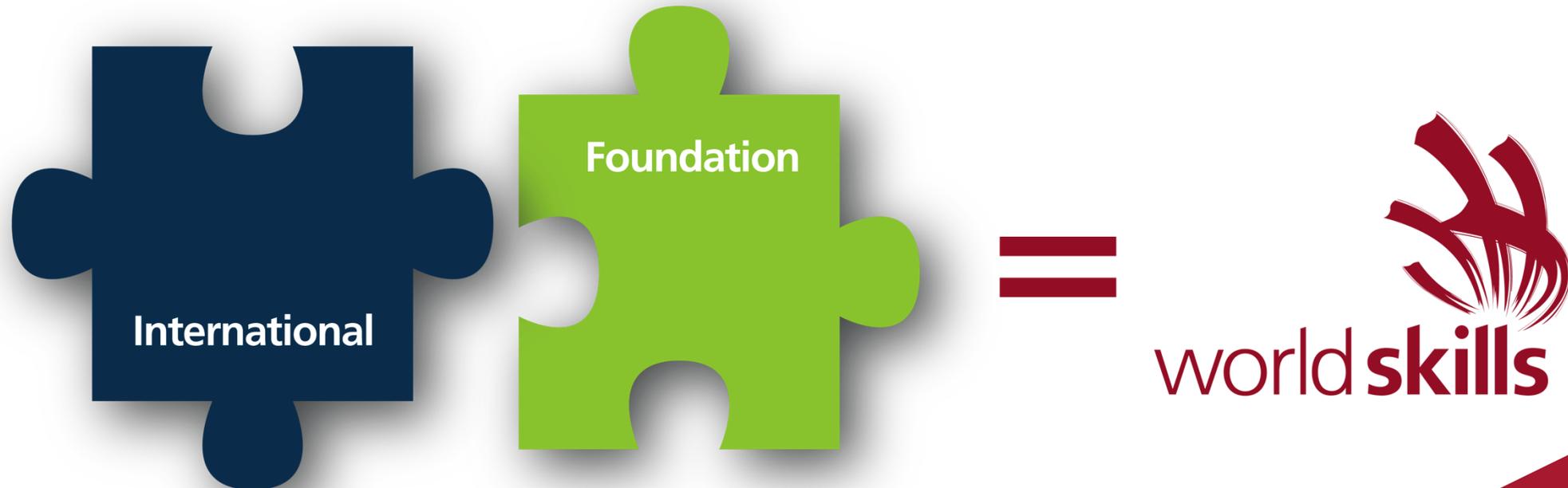
WorldSkills is not just a Competition though, it is a movement.

By working within the six focus areas of Research, Advocacy, Career, Education and Training, International Cooperation and Development, and Competitions and Projects, WorldSkills will be the global hub for skills excellence and development with ongoing activities nationally, regionally and globally. The WorldSkills Foundation contributes with projects and initiatives that demonstrate the capacity for innovation and collaboration with partners, in order to leverage and build self-sustaining activities.

WORLDSKILLS VISION 2020

WorldSkills Foundation:

- Launched in Madrid, Spain 8 April 2011.
- Programme of activities to complement and support the WorldSkills organization and Competition and help to achieve long term goals



OUR GROWTH

- WorldSkills currently has 72 Members
- Goal for 2020 was 70 members
- Newest Members include:
 - 2014 – Belarus, Mongolia, Egypt, Kazakhstan, Zambia
 - 2013 – Chile and Kingdom of Bahrain
 - 2012 – Sri Lanka, Russia, Armenia, Georgia, Kuwait, and Dominican Republic

**Discover
the power
of skills.**

WORLDSKILLS VISION 2020

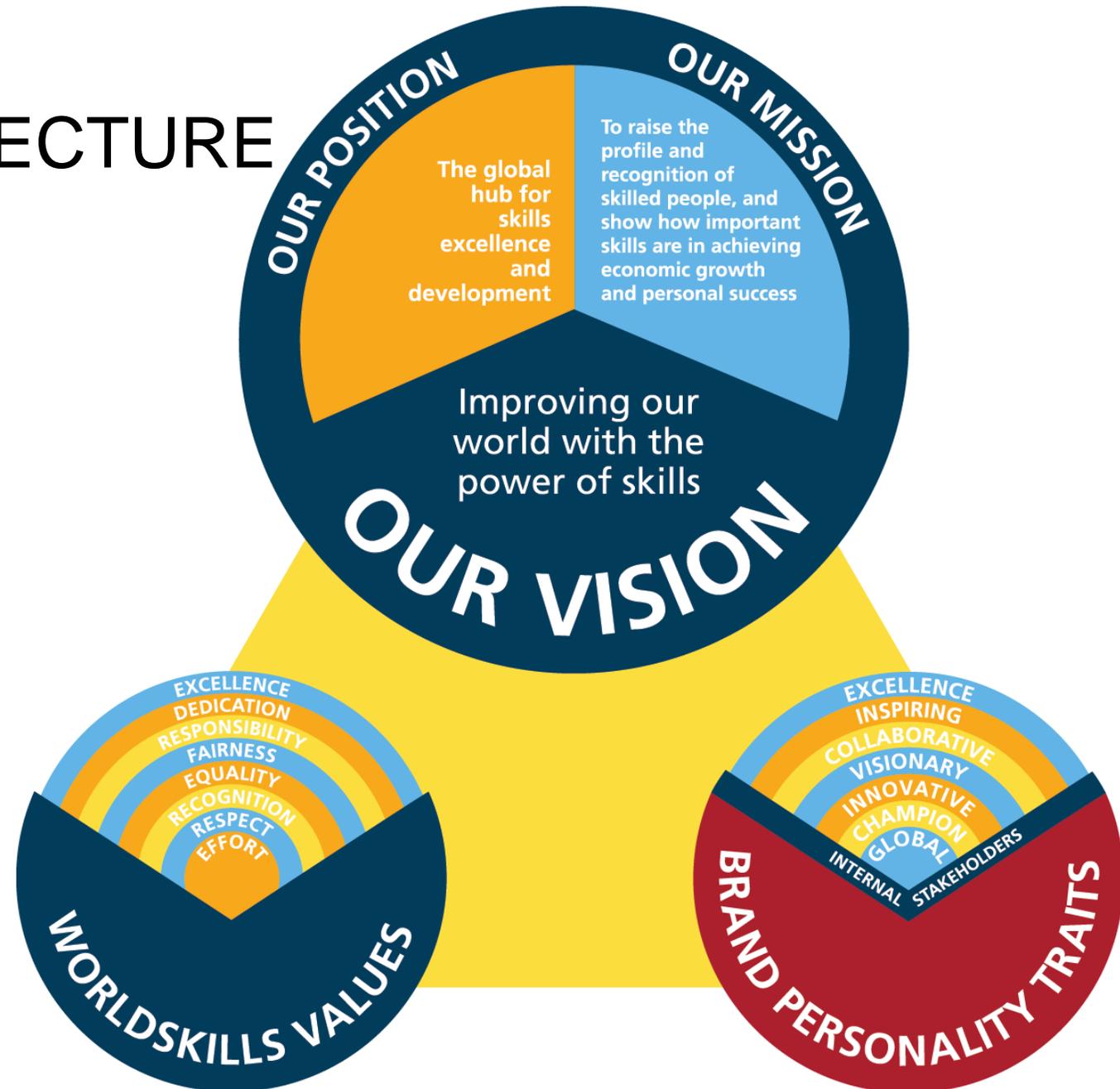
“A world where people can achieve the workplace skills they need to prosper and find fulfilment.”

Key Achievements:

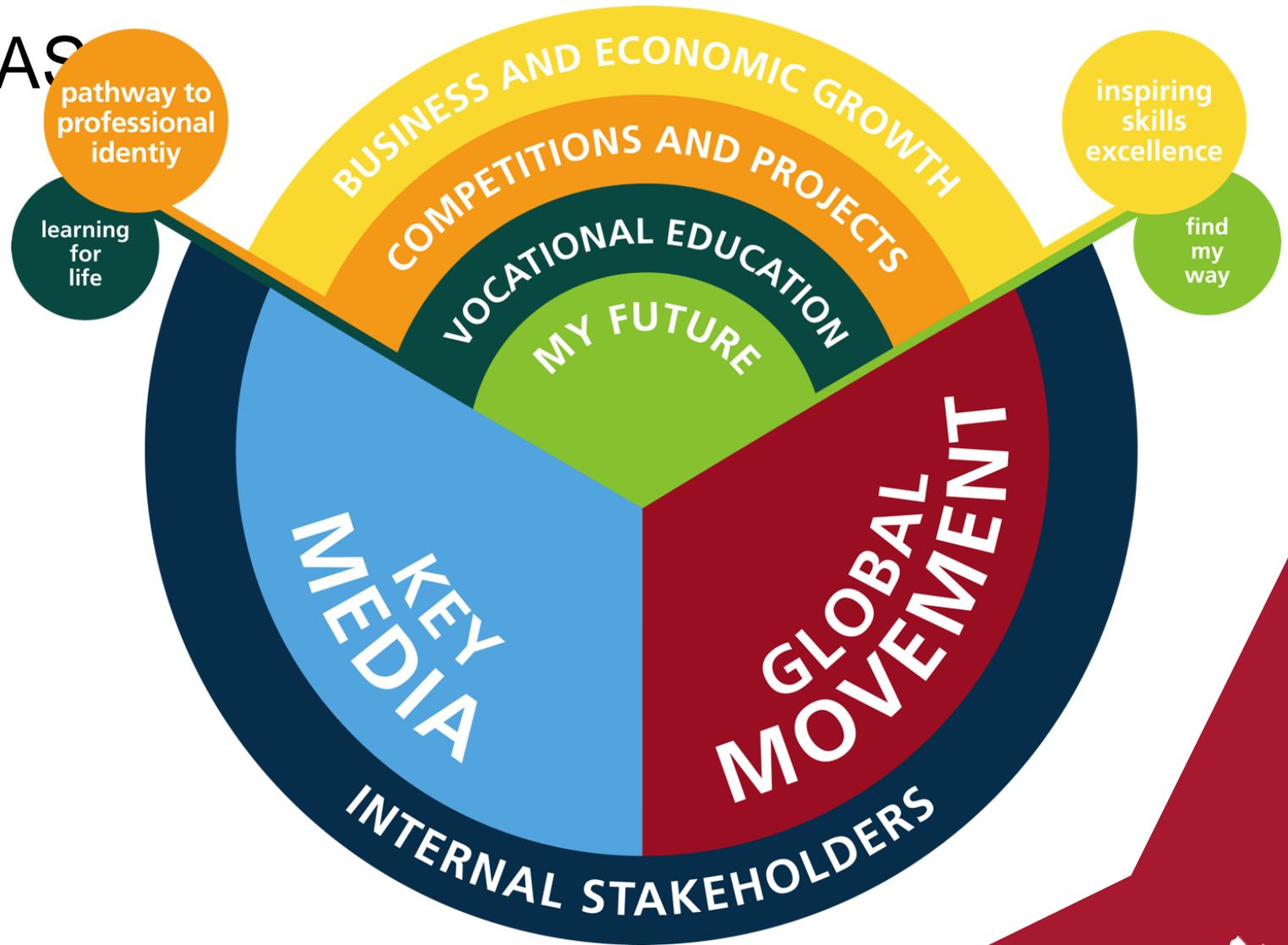
- Brand recognition
- Increase in membership
- Platforms for networking and collaboration between stakeholders

**The global
hub for skills
excellence and
development.**

BRAND ARCHITECTURE

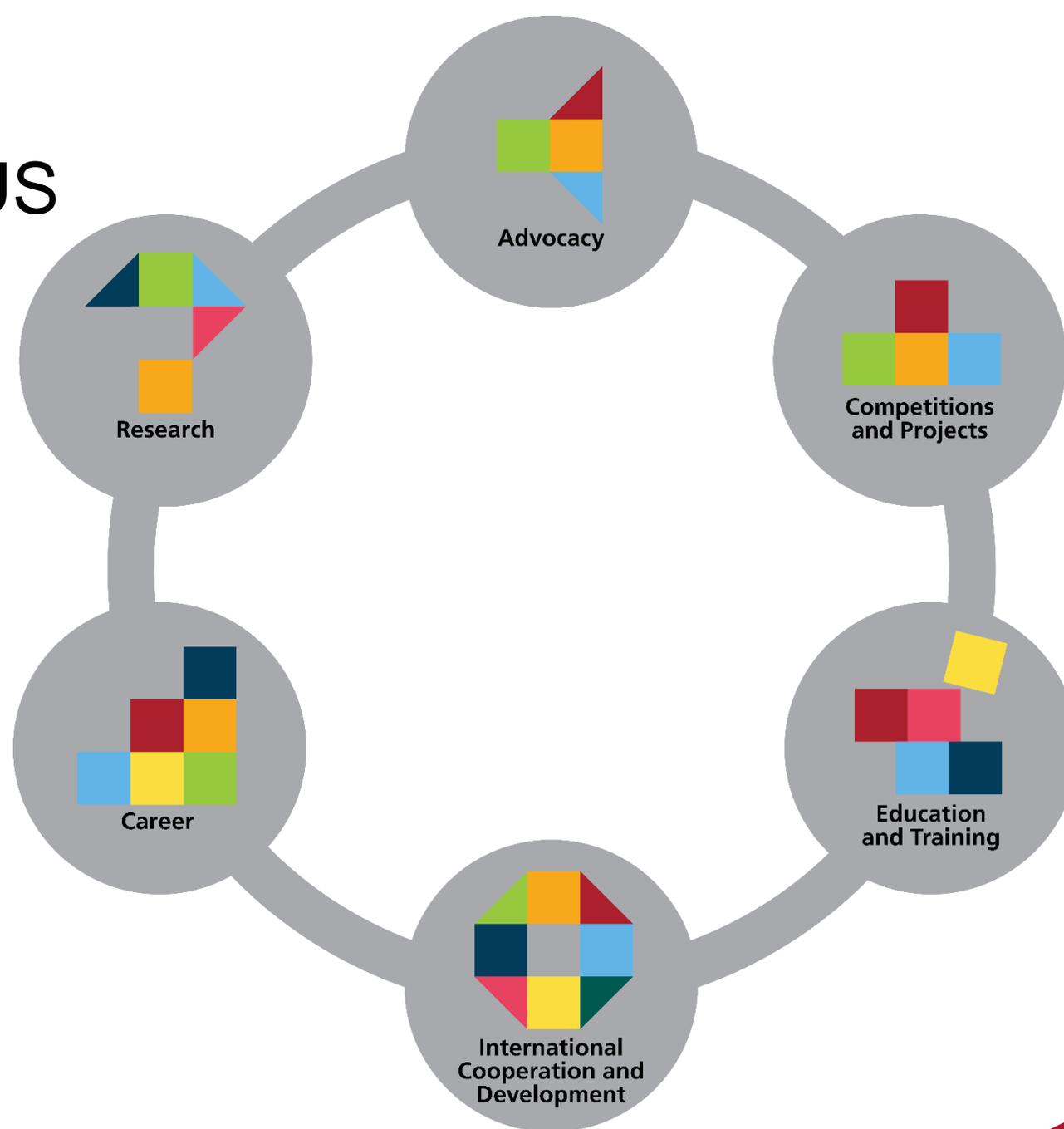


OUR FOUR ARENAS



We will use these four arenas to gain access and recognition in the key media, become recognized as a global movement, raise the profile of skilled careers, and impact global economic development.

OUR FOCUS



ADVOCACY

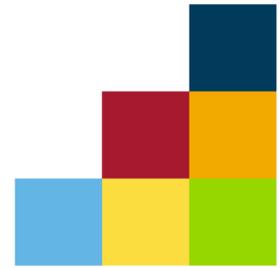




ADVOCACY

- Being proactive on skills issues by constantly influencing agendas.
- Enabling networks through word-of-mouth, social media, events, and other outlets.
- Being part of the conversation in policy development in countries.
- Being the authority on skills development and excellence worldwide.
- Working together with educators, policy makers, and industry to redefine the value and improve the attractiveness of skills.
- Advocating the need, value, and results of skilled work and professional training for young people so that industries, regions, and countries will thrive in the global economy.

CAREER





CAREER

- Profiling the short term and long term career benefits of Champions.
- Inspiring and attracting the next generation of skilled professionals to discover the relevance and importance of skills to prepare them for a career of a lifetime.
- Establishing participation in WorldSkills Competitions as a reference of excellence and quality as a career building tool.
- Giving young people in the beginning of their careers the infrastructure and career toolbox they need to be successful for a life-time.
- Leveraging skills professionals and alumni by supporting mentorships between countries, generations, and skills.

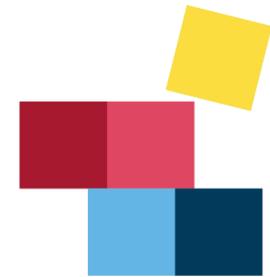


WORLDSKILLS CHAMPIONS FORUM



- Aims to actively encourage and support the growth of past Competitor alumni networks and associated youth activities within WorldSkills and its Member organizations.

EDUCATION AND TRAINING





EDUCATION AND TRAINING

- Creating connections from competition to building a lasting career with lifelong learning opportunities.
- Bringing skills awareness into the classroom by creating hands-on learning opportunities for youth.
- Helping educators and industries to develop training systems and practices to remain relevant for the future needs of skilled professionals.
- Giving students the educational tools they need to discover and pursue a skill.
- Supporting institutions and educators to develop new and innovative ways of teaching the upcoming workforce the skills in demand.



INNOVATION LABS

- This on going programme focuses on Virtual 3D Learning design and development, based on the immersive, interactive Icube classroom facility at ITE Singapore's College Central campus.
- WSF has sponsored participation of WorldSkills Champions from Web Design, CAD and Software Development backgrounds to join these Innovation Lab projects. These internships are based on a three-month paid placement at ITE Singapore, followed by public showcase of the work at skills competitions or other related public events.
- Training application design is overseen by ITE's Academic Pedagogy Innovation team; the Virtual 3D classroom is at the heart of ITE's strategy for world-class, cutting-edge vocational education and training opportunity. Finished applications are implemented in ITE courses, complementing the study of hundreds of young learners enrolled in the college.



INNOVATION LAB: FLORISTRY

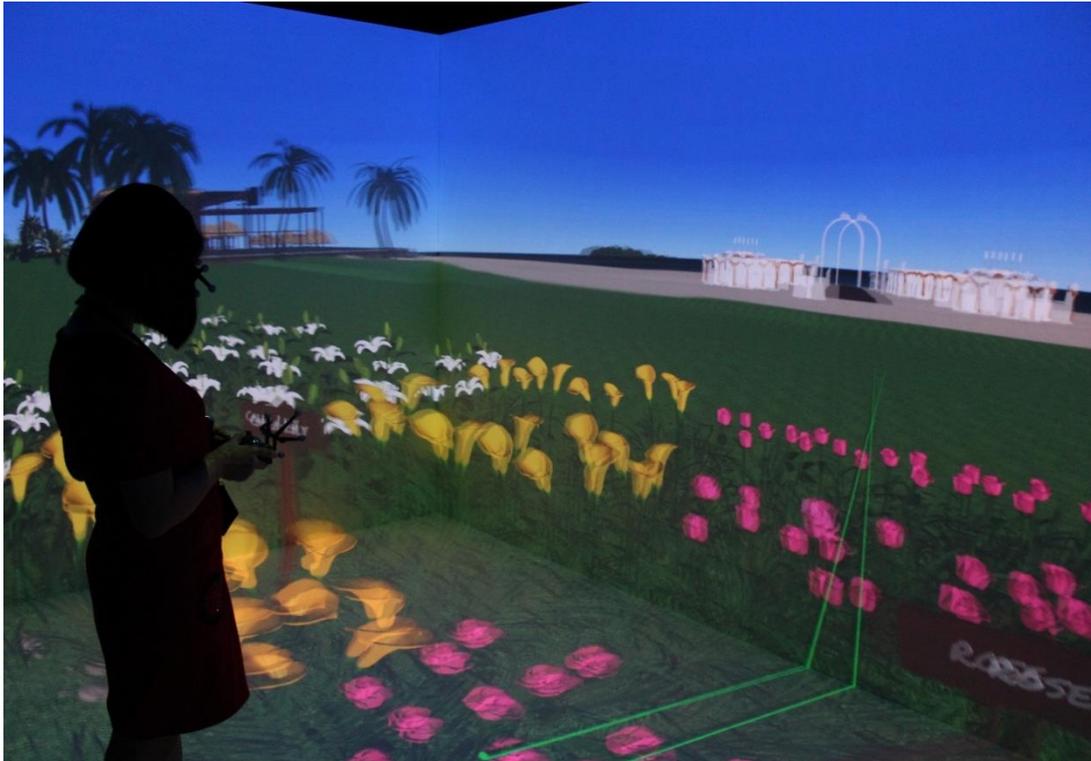
ITE Singapore Virtual 3D Learning

- Natã Barbosa (Brazil, gold medal winner in Web Design, WorldSkills London 2011) and Wouter Niekus (Netherlands, Medallion for Excellence in Web Design, WorldSkills Shizuoka 2007) joined the first Virtual 3D Learning Innovation Lab at ITE Singapore between March-June 2013.
- Finished Virtual Reality training application for Floristry is designed to complement hands-on learning in the classroom and has been fully implemented for students from 2013-2014.
- Training application allows users to examine a range of flower species, explore anatomy and learn techniques for display. Having completed a series of tasks, individual flower types can be combined to decorate a beach wedding environment, which the user is also free to interact with and explore.



INNOVATION LAB: FLORISTRY

ITE Singapore Virtual 3D Learning





INNOVATION LAB: FACILITIES MANAGEMENT

ITE Singapore Virtual 3D Learning

- Michael Christensen (Canada, Mechanical Engineering – CAD, WorldSkills London 2011) and Simon Noerdjan (Suriname, Web Design, WorldSkills Americas 2010) in Singapore, March-June 2014.
- Finished Virtual Reality training application, for Plumbing and Sanitation will be showcased at Singapore International Water Week in June 2014, and be rolled out to over 500 students in ITE's Higher *Nitec* Facilities Management courses in the 2014-2015 academic year.
- Training application is divided into two modules:
 1. Students get a full overview of the conventional Singapore water supply system from rainwater collection, to reservoir, to storage tank.
 2. Helps students explore the process and maintenance of rooftop water tanks.



INNOVATION LAB: FACILITIES MANAGEMENT

ITE Singapore Virtual 3D Learning



COMPETITIONS AND PROJECTS





COMPETITIONS AND PROJECTS

- Exposing youth to a variety of skilled careers and equipping them with the tools and resources they need to build a future.
- Communicating the benefits of holding a WorldSkills event to Members.
- Organizing skill competitions and events for young people all over the world.
- Being a place and a platform for celebrating world-class excellence in skills by showcasing the next generation of skills talent.
- Explaining the motivational and educational benefit of competitions by showing how they build Competitors' character, confidence, commitment, and self-esteem.
- Offering companies, industries and trades a chance to meet and recruit skilled people who have demonstrated that they are at the “top of their game.”



WHAT IS A WORLDSKILLS COMPETITION?

- The WorldSkills Competition is our flagship event, held biennially in a Member country or region.
- Competitors from over 60 countries and regions compete in more than 45 different skills.
- The Competitors are all under the age of 23 years (except for four skills that have the age limit of 25).
- This is a multifaceted event that is considered to be the global meeting place for government, education, industry, and association leaders to discuss relevant and important issues related to skills worldwide.



INTRODUCTION TO WORLDSKILLS COMPETITION

Introduction to WorldSkills International

WorldSkills TV · 505 videos

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Latest video

Jackie Barker

Cisco Systems at WorldSkills Leipzig 2013 Jackie Barker from Cisco Systems talks about their involvement with the IT Network Systems Administration competition at WorldSkills Leipzig 2013.

added: 11/02/14

Channels

Watch a collection of videos from each of the 6 Skill categories.

- Construction & Building Technology
- Creative Arts & Fashion
- Information & Communication Technology
- Manufacturing (& Engineering) Technology
- Social & Personal Services
- Transportation & Logistics

Featured videos

- WorldSkills Leipzig 2013 Final Report
- WorldSkills Leipzig 2013 Final Report highlight video
- The Skills Show 2013
- Discover your Skills -- together with Siemens
- WSLF2013 - Part 1

www.worldskills.tv





LEVELS OF SKILLS COMPETITIONS

International



Regional



National



Members also host local competitions ranging in level from School, City, and State/Province



WORLDSKILLS COMPETITIONS

Comparative results

Shizuoka, JP 2007	Calgary, CA 2009	London, UK 2011	Leipzig, DE 2013
Top 10 medal results:			
1. Korea	1. Korea	1. Korea	1. Korea
2. Japan	2. Switzerland	2. Japan	2. Switzerland
3. Switzerland	3. Japan	3. Switzerland	3. Chinese Taipei
4. France	4. Chinese Taipei	4. Brazil	4. Japan
5. Chinese Taipei	5. Canada	5. United Kingdom	5. Brazil
6. Brazil	Equal sixth:	6. France	6. Austria
Equal seventh:	France	7. Finland	7. Germany
Austria	United Kingdom	8. Chinese Taipei	8. France
Australia	Austria	9. Australia	9. Finland
Finland	Australia	10. Austria	10. United Kingdom
10. Germany	Brazil		

Note: Gold medal = 4pts, Silver Medal = 3pts, Bronze Medal = 2pts, Medallion for Excellence = 1pt



WORLDSKILLS COMPETITIONS

Brief statistics

St Gallen, CH 2003	Helsinki, FI 2005	Shizuoka, JP 2007	Calgary, CA 2009
<ul style="list-style-type: none">• 673 Competitors• 600 Experts• 35 countries• 180,000 visitors	<ul style="list-style-type: none">• 650 Competitors• 600 Experts• 37 countries• 120,000 visitors• 43,000 m²	<ul style="list-style-type: none">• 650 Competitors• 600 Experts• 37 countries• 120,000 visitors• 43,000 m²	<ul style="list-style-type: none">• 847 Competitors• 800 experts• 47 countries• 152,000 visitors• 80,000 m²
London, UK 2011	Leipzig, DE 2013		
<ul style="list-style-type: none">• 950 Competitors• 910 Experts• 52 countries• 160,000 visitors• 100,000 m²	<ul style="list-style-type: none">• 999 Competitors• 969 Experts• 53 countries• 205,000 visitors• 170,000 m²		



SKILL COMPETITIONS (by sector)

Construction and Building Technology

- Architectural Stonemasonry
- Bricklaying
- Cabinetmaking
- Carpentry
- Electrical Installations
- Joinery
- Landscape Gardening
- Painting and Decorating
- Plastering and Drywall Systems
- Plumbing and Heating
- Refrigeration and Air Conditioning
- Wall and Floor Tiling

Creative Arts and Fashion

- Fashion Technology
- Floristry
- Graphic Design Technology
- Jewellery
- Visual Merchandising/ Window Dressing

Information and Communication Technology

- Information Network Cabling
- IT Network Systems Administration
- IT Software Solutions for Business
- Print Media Technology
- Web Design

Manufacturing and Engineering Technology

- CNC Milling
- CNC Turning
- Construction Metal Work
- Electronics
- Industrial Control
- Manufacturing Team Challenge
- Mechanical Engineering Design - CAD
- Mechatronics
- Mobile Robotics
- Plastic Die Engineering
- Polymechanics/Automation
- Prototype Modelling
- Sheet Metal Technology
- Welding

Social and Personal Services

- Beauty Therapy
- Confectioner/Pastry Cook
- Cooking
- Hairdressing
- Health and Social Care
- Restaurant Service

Transportation and Logistics

- Aircraft Maintenance
- Autobody Repair
- Automobile Technology
- Car Painting



HOW DO WE REALLY COMPARE TO THE REST OF THE WORLD?





WORLDSKILLS COMPETITION = OLYMPIC GAMES OF SKILLS





EVERYONE IS A WINNER

- It is not about being number one.
- It is about benchmarking your performance against international standards.





EVERYONE IS A WINNER

Benchmarking within:

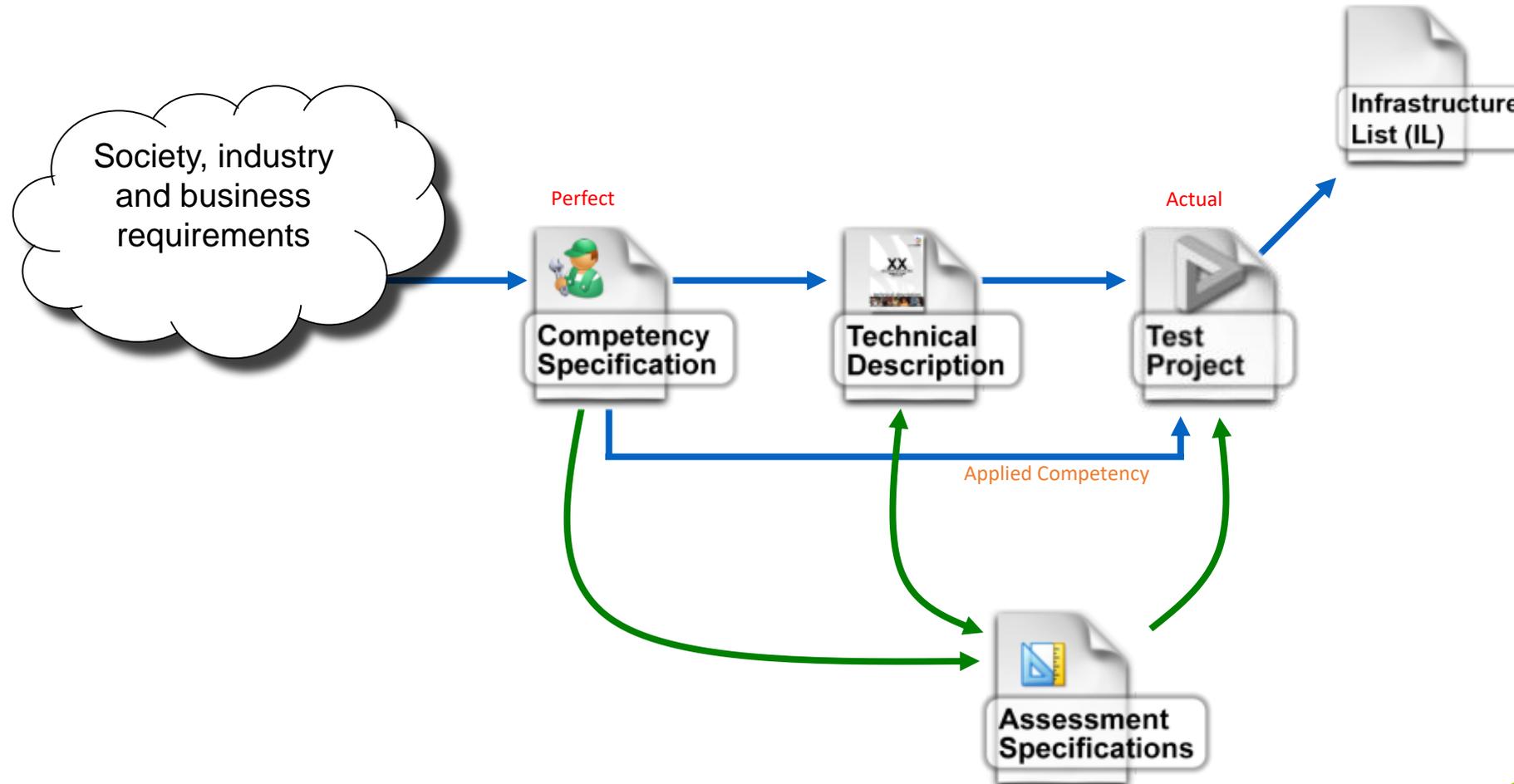
- Skill
- Sector (e.g. engineering, construction, hospitality)
- Country performance (benchmarking complete vocational education and training system)

They all win:

- Competitors
- Experts
- Sector Organizations
- Country VET systems

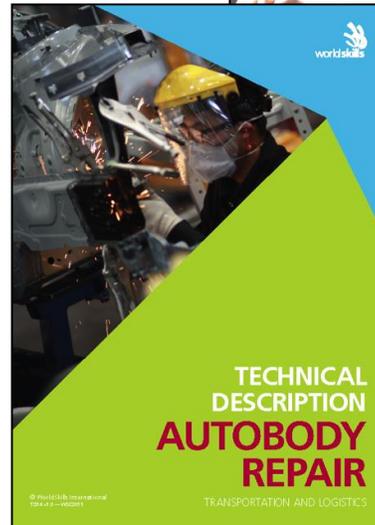
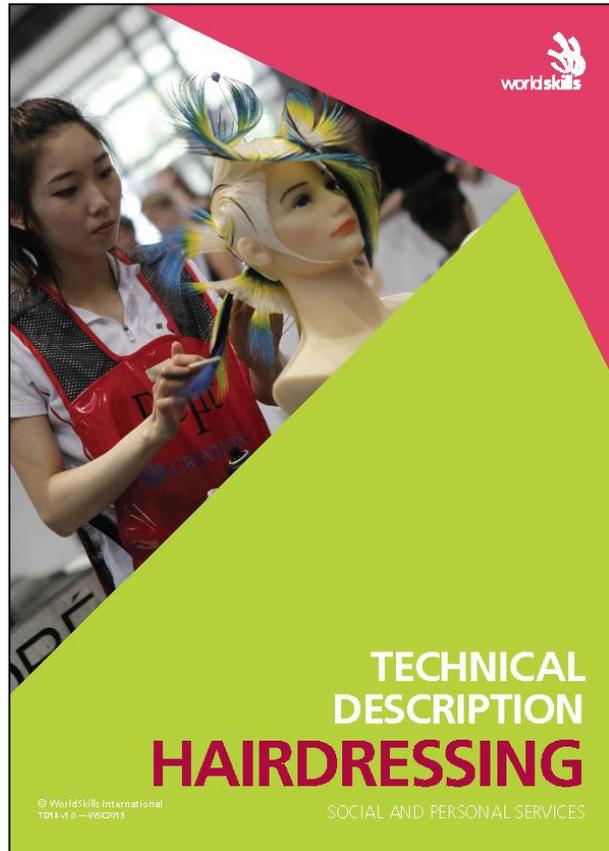


COMPETENCY AND ASSESSMENT SPECIFICATIONS





TECHNICAL DESCRIPTIONS





TEST PROJECTS (AND MARKING SCHEME)

- Made available to all Members after competition



Construction and Building Technology

08	Architectural Stonemasonry Steinmetz/in Taille de pierre	WSC2013 TP08 Actual 1.76 MB WSC2013 MS08 Marking Forms 216.60 kB WSC2013 TP08 Pre 722.14 kB
20	Bricklaying Maurer/in Maçonnerie	WSC2013 TP20 Actual 2.96 MB WSC2013 MS20 Marking Forms 198.40 kB WSC2013 TP20 Pre 1.19 MB
24	Cabinetmaking Möbelschreiner/in Ebénisterie	WSC2013 TP24 Actual 524.75 kB WSC2013 MS24 Marking Forms 227.30 kB WSC2013 TP24 Pre 3.96 MB



VIRTUAL 3D LEARNING FOR VISITOR EXPERIENCE

Enhanced Competition interpretation

- WSF worked with EON Reality and a WorldSkills UK representative team comprising of Champions, Experts, Training Partners and Sponsors to design and develop a series of Virtual and Augmented Reality applications to support visitor experience at The Skills Show 2013 (Birmingham, UK).
- Four competition areas: Plumbing, Cabinetmaking and Joinery, Floristry and Aeronautical Engineering.
- Built around a central Icube exhibition space, allowing visitors to explore the fully immersive, interactive Virtual 3D environments as developed for training applications in our ITE Singapore Innovation Lab.
- Further Augmented Reality points were located at competition areas around the venue, adding further public engagement. These AR apps are free to download from the WSF website.



VIRTUAL 3D LEARNING FOR VISITOR EXPERIENCE

Enhanced Competition interpretation





DEVELOPING SKILLS COMPETITIONS

Côte d'Ivoire National Skills Competition

- Together with UNIDO, WSF support Cote d'Ivoire to organize their first skill competitions 15–17 May 2014 with 18 Competitors in Bricklaying, Carpentry and Welding.
- Between 24 and 28 March, 22 Experts from the Ministry of Technical and Vocational Training and five schools attended a Preparation Week which focused on the introduction and training of skill competitions according to WorldSkills standard.
- Michel van Erkelens (Netherlands) is leading a group of Experts to participate in this project, namely, Patrick Bouvard (France) and Luc Lagneaus (Belgium) for Welding, William Lacey (Ireland) for Bricklaying and Maup Ruijsbroek (Netherlands) for Carpentry.



DEVELOPING SKILLS COMPETITIONS

Côte d'Ivoire National Skills Competition





WORLDSKILLS APP

- For both iPhone and Android
- Event based application
- Can be customized easily by Members to be used in their own events
- Focused on improving visitor experience





WORLDSKILLS São Paulo 2015 11-16 August



www.worldskills2015.com

HOPE TO SEE YOU IN BRAZIL!

INTERNATIONAL COOPERATION AND DEVELOPMENT





GLOBAL INDUSTRY PARTNERS

- See WorldSkills as a so-called “portal” into the world that is establishing a value for skills as the global currency, and building the international skilled workforce with many of the traits mentioned.
- Can have much greater impact through the development of best practices and standards that can be leveraged around the world in all industry sectors.
- Believe future economic health is dependent on the skilled workforce

“Simply put, there is no economy without skilled workers.”



WORLDSKILLS LEADERS FORUM

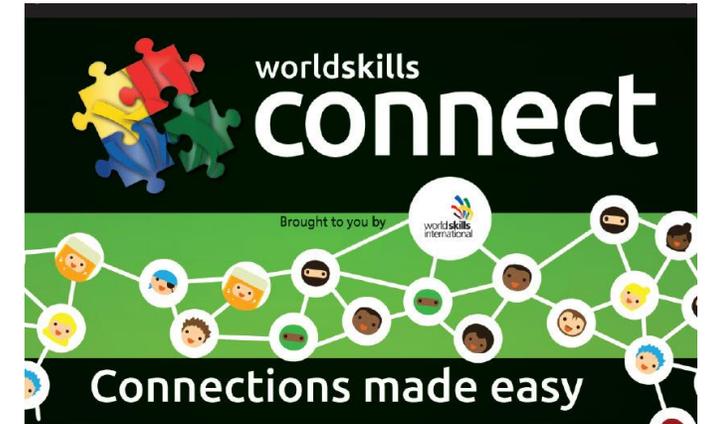


- An annual global event on the most topical themes
- Serves as an annual kick-start for the networking process, striving to exploit and develop the power of WorldSkills global network



WORLDSKILLS CONNECT

- Networking and connections are the core centrepiece for the WorldSkills Competition. We enable individuals to meet, network, share best practices, exchange contact information, and most importantly advance vocational education and training worldwide.
- WorldSkills Connect is an online tool for people at a WorldSkills event to find other people with similar interests and arrange to meet. By signing up for this tool participants are connected with thousands of other professional people in education, industry, government, and labour associations who also attend the same WorldSkills. It was that simple!
- **www.worldskillsconnect.com**





FOUNDATION PROJECT

Water Innovation Challenge

- The Water Innovation Challenge (WIC) was presented as the new tranche of work across three upcoming project activities:
- The Healthabitat Sanitation Studio in South Africa (Feb 2014), the second ITE Innovation Lab based on Virtual Plumbing and Sanitation (Feb–May 2014), and a team-based, blended practical/virtual demonstration competition/exhibition of Plumbing and Water Management skills at Singapore International Water Week (June 2014).





HEALTHABITAT SANITATION STUDIO

- WSF has sponsored participation of WorldSkills Champions and Experts from the areas of Plumbing and Heating and Bricklaying to join international Sanitation Studio programs which tackle better design and construction of toilet and waste water systems, targeting improvements in public health, for communities in less developed countries.
- Sanitation Studios partner with local community groups in each location, focussing on skills transfer between all individuals and groups involved. Only locally available materials and tools are used at all stages to ensure sustainable solutions are developed and maintained.
- The programmes so far (Nepal, Bangladesh, and South Africa) have all grown in impact and effectiveness with the support of further partners and stakeholders.



HEALTHABITAT SANITATION STUDIO

Bhattendande, Nepal

- Former WorldSkills Plumbing and Heating Chief Expert, Grant Stewart (Australia) went to Bhattendande, Nepal, in Jan 2013. Grant was supported by representatives of IAPMO Group, RMIT University and WSF.
- Work with the existing, skilled Nepalese team to develop the design process and construction detail of toilets, improving public health in the area through safer removal and treatment of human waste.
- Partnership with a local project partner CHDS Nepal (Community Health and Development Society) to ensure knowledge and skills transfer for all involved.
- IAPMO representatives returned in Jan 2014. These improvements are being used and replicated by the Nepalese teams in future toilet constructions.



HEALTHABITAT SANITATION STUDIO

Bhattendande, Nepal





HEALTHABITAT SANITATION STUDIO

Dinajpur, Bangladesh

- WorldSkills Foundation project
- WorldSkills Bricklaying Chief Expert Troy Everett (Australia) and Daniel Rattigan (Ireland, Medallion for Excellence at WorldSkills London 2011) in Dinajpur, Bangladesh in Oct 2013.
- Construction of two trial washing and toilet facilities with additional waste water treatment.
- Partnership with a local project partner SAFE Bangladesh (Simple Action for the Environment) and representatives of Engineers Without Borders to ensure knowledge and skills transfer for all involved.



HEALTHABITAT SANITATION STUDIO

Dinajpur, Bangladesh





HEALTHABITAT SANITATION STUDIO

Diepsloot, South Africa

- WorldSkills Foundation project
- Two WorldSkills Plumbing and Heating gold medal winners, Shane Trevitt (United Kingdom, gold at WorldSkills London 2011) and Ciaran Coady (Ireland, gold at WorldSkills Leipzig 2013) in Diepsloot, South Africa, in March 2014.
- Improving local toilet facilities, taps and drains to ensure increased effectiveness and reduce maintenance.
- Partnership with a local project partner WASSUP Diepsloot (Water, Amenities, Sanitation Services Upgrading Programme) to ensure knowledge and skills transfer for all.
- WASSUP have estimated that the upgrades will improve basic levels of sanitation for 500-1000 people in the immediate area of Diepsloot.



HEALTHABITAT SANITATION STUDIO

Diepsloot, South Africa





EMERGING PARTNERSHIPS



Organisation for Economic Co-operation and Development



United Nations
Educational, Scientific and
Cultural Organization



International Centre
for Technical and Vocational
Education and Training

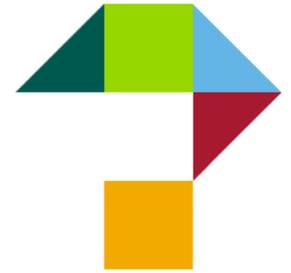


UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



International **Training** Centre

RESEARCH





RESEARCH

- Collecting, curating, and providing information, facts, figures, and news about the skills sectors we represent and the demand for skills in the future.
- Supporting and conducting skills research.



WORLDSKILLS – INSPIRING SKILLS EXCELLENCE



move
Modelling Vocational Excellence

WORLDSKILLS INTERNATIONAL

GENERAL ASSEMBLY

- The next WorldSkills General Assembly (GA) will be held in Lucerne, Switzerland, September 2014.
- The GA meeting schedule includes the meetings of WorldSkills International's Technical and Strategy Committees along with the WorldSkills International General Assembly.

**Together we can
raise the awareness
and profile of the
WorldSkills movement
throughout the world.**

WORLDSKILLS MANAGEMENT AT THE COMPETITION

Event Management Team:

- Board of Directors WSI
- Board of Directors host
- CEO WSI
- CEO Competition Organizer

Competition Management Team:

- CEO WSI
- Chair and Vice Chair of the Technical Committee
- Chair and Vice Chair of the Strategy Committee
- Technical Director
- Communications, Marketing and Special Events Director

WORLDSKILLS MANAGEMENT AT THE COMPETITION

Management of all the skill competitions:

- Technical Committee management team
 - Chair and Vice Chair of the Technical Committee
 - Technical Director

Management within each skill competition

- Skill Management Team
 - Jury President
 - Chief Expert
 - Deputy Chief Expert

WORLDSKILLS MANAGEMENT AT THE COMPETITION

Management of Conference Programme:

Strategy Committee management team

- Chair and Vice Chair of the Strategy Committee
- Communications, Marketing and Special Events Director

WORLDSKILLS INTERNATIONAL

Board of Directors

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- Vice President Strategic Affairs and
Chair of the Strategy Committee:
Jos de Goey (Netherlands)
- Vice President Technical Affairs and
Chair of the Technical Committee:
Stefan Praschl (Austria)
- Vice President Special Affairs:
Roberto Spada (Brazil)

WORLDSKILLS INTERNATIONAL

Board of Directors

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- Vice Chair of the Technical Committee:
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- Treasurer:
Terry Cooke (Canada)
- Ex officio for WorldSkills São Paulo 2015:
Rafael Luchessi (Brazil)
- Ex officio for WorldSkills Abu Dhabi 2017:
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