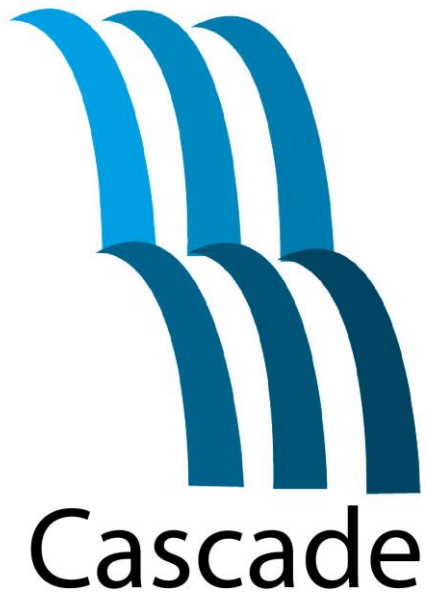


## Appendix

### 1. Project logo



## 2. Diagrams or photographs illustrating and promoting the work of the project

A). The European Union in collaboration with CASCADE and University of Moratuwa, Sri Lanka, organised the launch of the 'Horizon 2020' programme for the South Asian Region. The event took place on 24th January in Colombo, Sri Lanka.



Photo (above and below) – Mr David Daly, EU Ambassador in Colombo Sri Lanka, addressing the gathering





Photo (above) – part of the audience

Photo (below) - Mr Denis Dambois, R & I Counsellor, EU Delegation to India addressing the audience





B). Pathways for Sri Lankan Scientists via Horizon 2020: Opportunities for South Asian Institutions – a Workshop for University of Moratuwa Academic staff, 2nd May 2014, University of Moratuwa, Sri Lanka.

Photo – part of the audience



C). The Horizon 2020: Teaming up with the EU for Research Excellence - A workshop for Sri Lankan Scientists; organized by the National Science Foundation, Sri Lanka in Collaboration with the European Union , 2 May 2014, At the Auditorium, National Science Foundation, Sri Lanka.

Photo: facilitators



D). Awareness seminar on Horizon 2020 Program, targetting all the universities in Islamabad, KPK, Azad Kashmir and Gilgit Baltistan, organised by Dr Arshad Ali, Prof & Principal, NUST (National University of Sciences & Technology) School of EE&CS, Islamabad, Pakistan



Photo (above ) – Mr Denis Dambois, R & I Counsellor, EU Delegation to India addressing the audience

Photo (below ) – Mr Pierre Mayaudon, EU Ambassador for Pakistan addressing the gathering





E). A CASCADE workshop was held at the 2014 CIB W55/65/89/92/96/102/117 & TG72/81/83 International Conference on Construction in a Changing World, which brought together resources and knowledge across different fields, technologies and disciplines to deal with the major challenges that construction professionals will be confronted with in the coming years. The conference was held in Dambulla, Sri Lanka, in May 2014. The CASCADE workshop captured the views and expertise of the 200 plus international delegates that attended the four day event. The conference was jointly organised by the University of Salford, UK, the University of Huddersfield, UK, and the CIB International Council for Research and Innovation in Building and Construction.



Photo (above and below ) – section of attendees



F). The CASCADE project was a partner in the 4th International Conference on Building Resilience. The conference examined the concept of resilience as a useful framework of analysis for how society can cope with the threat of natural and human induced hazards.

The four-day event attracted more than 350 academics, researchers, practitioners and policy makers. There were four keynote addresses, which provided a global perspective and vision for resilience research. The event was held at MediaCity in Salford, UK from 8<sup>th</sup> to 11<sup>th</sup> September 2014. The conference included a CASCADE workshop aimed at sharing the emerging project findings and gaining feedback that could help shape the planned regional paper.



Photo : Mr.Ian Stewart, City Mayor of Salford, United Kingdom and UN Special Representative of Secretary-General for Disaster Risk Reduction Ms. Margareta Wahlstrom





Photo (above) – UNISDR steering committee meeting where CASCADE interim findings were discussed at  
Photo (below) – part of the audience





G). **Safer Sri Lanka - Disaster Management Conference** - Commemorating the 10th anniversary of the Indian Ocean Tsunami, an international seminar on Disaster Management has been held to create a dialogue which will develop an effective and viable process for the management of disaster in Sri Lanka in the future. The event was organised by the Government of Sri Lanka and its Disaster Management Ministry officials and was held from 24-26 September 2014 in Sri Lanka. Over 460 local and foreign experts in the disaster management field shared their experiences at the conference. Professors Dilanthi Amaratunga and Richard Haigh from the Global Disaster Resilience Centre at the University of Huddersfield's School of Art, Design, and lead partners in the CASCADE project, were invited by the Government of Sri Lanka to speak at this important event. Dilanthi delivered a speech on Emerging trends in disaster management, global frameworks & international best practices, conventions and knowledge transfer mechanisms. Richard delivered an address about collaborative action towards addressing societal challenges, based on the work of CASCADE, with a view to developing sustainable disaster management practices. In addition, Dilanthi and Richard chaired a panel on shared risks to shared value. Details on the CASCADE project were also published as part of the conference proceedings.

Photo (below) – one of the breakout sessions at the conference



H). On the 2nd December 2014, the University of Huddersfield with the support from CASCADE project and also along with the EU office in Colombo, organised an event at the UGC under the direction of its Professor Ranjith Senaratne, Vice Chairman of the UGC. The University Grants Commission (UGC) is the apex body of the University System in Sri Lanka which. The functions of the UGC are; planning and coordination of university education, allocation of funds to Higher Educational Institutions (HEIs), maintenance of academic standards, regulation of the administration of HEIs and regulation of admission of students to HEIs. Its vision is to be an excellent regulatory body which guide, develop and sustain a network of 'Centers of Excellence' in higher education meeting the national needs and aspirations in keeping with global trends. All 15 Sri Lankan universities are under its umbrella: University of Colombo, University of Peradeniya, University of Sri Jayewardenepura, University of Kelaniya, University of Moratuwa, University of Jaffna, University of Ruhuna, The Open University of Sri Lanka, South Eastern University of Sri Lanka, Rajarata University of Sri Lanka, Sabaragamuwa University of Sri Lanka, Wayamba University of Sri Lanka, Uva Wellassa University, University of the Visual & Performing Arts. Vice Chancellors of all these universities along with other scientists attended the event.

Photo (below) : Professor Ranjith Senaratne, Vice Chairman of the University Grants Commission (UGC) addressing the audience





Photo (above) – Mr Simone Brotini, Development Cooperation Section, Delegation of the European Union to Sri Lanka and the Maldives addressing the audience

I). CASCADE leading scientists, Professors Dilanthi Amaratunga and Richard Haigh visited the Asian Disaster Preparedness Centre in Thailand from 15<sup>th</sup> – 17<sup>th</sup> May 2015 and held a key discussion on CASCADE findings and how they can be used as input towards key future research directions were discussed

Photo (below ) – Dilanthi Amaratunga & Richard Haigh with the key ADPC staff





### 3. Screen shots of the e news letters



## Newsletter

Issue 1, May 2014

Promoting EU and South Asian bi-regional coordination of Science & Technology cooperation

### CASCADE Project

CASCADE (Collaborative Action towards Societal Challenges through Awareness, Development, and Education) aims to provide the foundation for a future International Cooperation Network programme targeting South Asian Countries, which will promote bi-regional coordination of Science & Technology cooperation.

CASCADE is an opportunity for raising awareness of the potential for EU-Southern Asia cooperation and stimulating regional and international participation. With the active contribution of South Asian countries, the endeavour will be to pave the way for more advanced, inclusive and innovative societies.

The project coincides with the launch of Horizon 2020, a Europe 2020 flagship initiative aimed at securing Europe's global competitiveness. Running from 2014 to 2020 with a budget of just over €70 billion, the EU's new programme for research and innovation is part of the drive to tackle global societal challenges, and create new growth and jobs. International cooperation in research and innovation is an essential element for meeting the objectives of Europe 2020. Recognising the global nature of producing and using knowledge, Horizon 2020 builds on the success of international cooperation in previous framework programmes and is fully open to participation from third countries.

The 18 month CASCADE project is led by the University of Salford from the UK but targets and has the participation of all seven South Asian countries specified in the call: Afghanistan, Bangladesh, Bhutan, Maldives, Nepal, Pakistan and Sri Lanka.

During the project, the team will:

1. compile a regional position paper that identifies global challenges and research priorities
2. map and develop an inventory of national and regional stakeholders related to global challenges
3. raise awareness on research & innovation priorities for fostering cooperation and towards building mutual understanding on how to address common global societal challenges

w: [www.cascade-inconet.eu](http://www.cascade-inconet.eu) e: [cascade@disaster-resilience.net](mailto:cascade@disaster-resilience.net)



Photograph: EU Ambassador, David Daly, speaking at the launch

### Latest News

#### Launch of Horizon 2020 in South Asia

The European Union in collaboration with the University of Salford, UK, and University of Moratuwa, Sri Lanka, organised the launch of the Horizon 2020 programme for the South Asian Region. The event took place on 26th January in Colombo, Sri Lanka.

The programme that was launched in December 2013 in Brussels and now in South Asia aims at further boosting the participation of key researchers, academics and industries from the South Asia region.

Horizon 2020 is the EU flagship programme for Research and Technological Development. With an overall budget of EUR 80 billion (EUR 14,000 billion) over the period 2014-2020 the programme is one of the most significant in its kind. It is also most open to international cooperation.

EU Ambassador David Daly, who spoke at the event, reiterated that: "Many countries had accelerated their economic growth, development and industry competitiveness by paying close attention to research and innovation. With the Horizon 2020 funding, the goal is first and foremost to contribute to growth, jobs and a better quality of life. It has the potential to make a substantial contribution to reaching Mahatma Chintana's goal of making Sri Lanka a Knowledge Hub in the region. Investment in this field is an investment in our shared future and over the last few years numerous European and Sri Lankan academics have been increasingly working together through such programmes. With a simplified and more accessible Horizon 2020, I encourage researchers, universities, business including SMEs to sign up!"



## Newsletter

Issue 2, November 2014

Promoting EU and South Asian bi-regional coordination of Science & Technology cooperation

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The eighteen month CASCADE project is being undertaken by a consortium of eighteen organisations from five European countries and seven South Asian countries: Afghanistan, Bangladesh, Bhutan, Maldives, Nepal, Pakistan and Sri Lanka.

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w: [www.cascade-inconet.eu](http://www.cascade-inconet.eu) e: [cascade@disaster-resilience.net](mailto:cascade@disaster-resilience.net)



Photograph: Jerry Velasquez, Chief of the Advocacy and Communications Section and Head of the Making Cities Resilient Campaign of the UN Office for Disaster Risk Reduction (UNISDR)

### Latest News

#### CASCADE event at major international conference

A CASCADE workshop was held at the 2014 CB W55/65/89/92/96/102/117 & 1072/81/83 International Conference on Construction in a Changing World, which brought together resources and knowledge across different fields, technologies and disciplines to deal with the major challenges that construction professionals will be confronted with in the coming years. The conference was held in Dambulla, Sri Lanka.

Driven by technology innovation, demographic growth, environmental change, a new economic order and a strong undercurrent of social and political desire for change, the world is changing quickly. Construction doesn't exist in isolation and, in a fast-changing world, the sector has the vital role of providing the requisite built environment to meet the challenges presented by these changes.

The CASCADE workshop captured the views and expertise of the 200 plus international delegates that attended the four day event. The conference was jointly organised by the University of Salford, UK, the University of Huddersfield, UK, and the CIB International Council for Research and Innovation in Building and Construction.

The conference also included a keynote address by Jerry Velasquez, Chief of the Advocacy and Communications Section and Head of the Making Cities Resilient Campaign of the UN Office for Disaster Risk Reduction (UNISDR). Mr Velasquez spoke about tackling future risks, economic losses and exposure.

The workshop outcomes will feed into the regional position paper that is identifying opportunities for EU-South Asia collaboration towards tackling societal challenges.

# Newsletter



Promoting EU and South Asian bi-regional coordination of Science & Technology cooperation

## CASCADE Project

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Photograph: CASCADE partner, Dr Champika Liyanage, University of Central Lancashire, UK

## Latest News

### CASCADE Findings Presented in Brussels

The major findings from the CASCADE project were presented at an open briefing event at the UK Research Office in Brussels. The event, held on 9th March, was attended by over 25 representatives from EU and South Asian government officers and partners working in the region.

The event was held to raise awareness about the project and the opportunities for research and innovation collaboration between the EU and South Asia. The agenda focused on messages for the region – our specific experiences and feedback. These included:

- Regional priorities for EU-South Asia cooperation to address societal challenges
- South Asian national and regional stakeholders related to societal challenges
- Engaging South Asian partners in Horizon 2020 – Policy relevant results

The session was facilitated by the Lead Investigator, Professor Dilanthi Amarasinga from the University of Huddersfield in UK, her colleague, Professor Richard Ingh, also from the University of Huddersfield who led the development of the regional paper, and Dr Champika Liyanage, from the University of Central Lancashire in the UK, who was responsible for coordinating preparation of the seven national position papers in South Asia.

A copy of the presentation materials made available on the day are available from the CASCADE media centre at [www.cascade-inconet.eu](http://www.cascade-inconet.eu).

w: [www.cascade-inconet.eu](http://www.cascade-inconet.eu) e: [cascade@disaster-resilience.net](mailto:cascade@disaster-resilience.net)

## 4. Screen shot of the project web site

[Home](#)
[News](#)
[Overview](#)
[Media Centre](#)
[Horizon 2020](#)
[Contact](#)

[Login](#)
[Register](#)

### EU Research and Innovation

- EU Horizon 2020
- INCONET
- Fact sheet: International Participation in Horizon 2020

### EU Delegations

- Afghanistan
- Bangladesh
- Bhutan
- Nepal
- Pakistan
- Sri Lanka and the Maldives

### User login

Username \*

Password \*

☐ Request new password

[Log in](#)

### CASCADE: Collaborative Action towards Societal Challenges through Awareness, Development, and Education

CASCADE aims to provide the foundation for a future INCONET programme targeting South Asian Countries and which will promote bi-regional coordination of Science & Technology (S&T) cooperation, including priority setting and definition of S&T cooperation policies. CASCADE targets and has the participation of the following South Asian countries: Afghanistan, Bangladesh, Bhutan, Maldives, Nepal, Pakistan and Sri Lanka.

CASCADE is led by Professor Dilanthi Amarasinga, Principal Investigator of the project. Professor Amarasinga is based at the Global Disaster Resilience Centre at the University of Huddersfield, UK. For further information about CASCADE, please contact Professor Amarasinga: [d.amarasinga@hudd.ac.uk](mailto:d.amarasinga@hudd.ac.uk).

CASCADE is a project (Contract Number: 609562) co-funded by the European Community's Programme for International Cooperation under the 7th Framework Programme for Research and Technological Development (2007-2013). The sole responsibility for the content of this website lies with the CASCADE consortium. It does not represent the opinion of the Community. The European Commission is not responsible for any use that may be made of the information contained therein.

### Briefing paper published

published by richardingham on Wed, 04/03/2015 - 00:00

A briefing paper by the CASCADE project has been published that examines the policy and interests of seven countries in South Asia with respect to the seven thematic societal challenges identified under the EU's Horizon 2020 research and innovation programme: Health, demographic change and wellbeing; Food security, sustainable agriculture, marine and maritime research and the bio-based economy; Clean and efficient energy; Smart, green and integrated transport; Climate action; resource efficiency and raw materials; A changing world - inclusive, innovative and reflective societies; and, Secure societies - protecting freedom and security of the country and its citizens.

This paper draws upon the findings of seven national position papers (Afghanistan, Bangladesh, Bhutan, Maldives, Nepal, Pakistan and Sri Lanka) and one South Asian regional position paper developed as part of the CASCADE project (see Reference list).

The paper can be downloaded from the website media centre.

## 5. Screen shot of the flyer



The CASCADE (Collaborative Action towards Societal Challenges through Awareness, Development, and Education) project aims to provide the foundation for a future International Cooperation Network programme targeting South Asian Countries, which will promote bi-regional coordination of Science & Technology cooperation.

The EU, whilst representing only 7% of the world's population, is responsible for 24% of world expenditure on research, 32% of high impact publications and 32% of patent applications, making it a world leader in research and innovation. However, over the past few decades, new key players have emerged within the international landscape shifting the previously dominant position held by the EU towards emerging economies.

The EU recognise a need to strengthen internationalisation through strategic policy action. The need for linkages with Asian countries has been highlighted given the region's rapidly growing research and innovation capacities and the urgency to address global challenges. South Asia in particular is home to more than 40% of the world's absolute poor, but will contribute nearly 40% of the growth in the world's working-age population in the coming decades.

CASCADE is an opportunity for raising awareness of the potential for EU-Southern Asia cooperation and stimulating regional and international participation. With the active contribution of South Asian countries, the endeavour will be to pave the way for more advanced, inclusive and innovative societies.

The project coincides with the launch of Horizon 2020, a Europe 2020 flagship initiative aimed at securing Europe's global competitiveness. Running from 2014 to 2020 with a budget of just over €70 billion, the EU's new programme for research and innovation is part of the drive to tackle global societal challenges, and create new growth and jobs. International cooperation in research and innovation is an essential element for meeting the objectives of Europe 2020. Recognising the global nature of producing and using knowledge, Horizon 2020 builds on the success of international cooperation in previous framework programmes and is fully open to participation from third countries.

The 18 month CASCADE project is led by the University of Salford from the UK but targets and has the participation of all seven South Asian countries specified in the call: Afghanistan, Bangladesh, Bhutan, Maldives, Nepal, Pakistan and Sri Lanka.

During the project, the team will:

1. compile a regional position paper that identifies global challenges and research priorities
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### CASCADE Partnership

#### Europe

University of Salford, United Kingdom  
University of Central Lancashire, United Kingdom  
Tallinn University of Technology, Estonia  
Vilnius Gediminas Technical University, Lithuania  
Bologna University, Italy  
Foundation for Strategic Research, France

#### South Asia

Mangarhar Islamic University Jalalabad, Afghanistan  
Pabna University of Science and Technology, Bangladesh  
Royal Institute of Management, Bhutan  
Institute of Engineering, Nepal  
Volunteers for Development, Nepal  
University of Engineering & Technology, Peshawar, Pakistan

Local Councils Association of the Punjab, Pakistan  
University of Marikulu, Sri Lanka  
Federation of Sri Lankan Local Government Authorities, Sri Lanka  
Asian Disaster Preparedness Center  
ECO CARE, Maldives

### Principal Investigator

Professor Dilanthi Amarasinghe, Centre for Disaster Resilience, University of Salford, Salford, Greater Manchester, M5 4WT, United Kingdom  
w: [www.salford.ac.uk/disaster-resilience](http://www.salford.ac.uk/disaster-resilience) e: [rd.g.amarasinghe@salford.ac.uk](mailto:rd.g.amarasinghe@salford.ac.uk)

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## 6. Examples of project poster



**CASCADE** (Collaborative Action towards Societal Challenges through Awareness Development and Education)

### Horizon 2020- The EU Framework Programme for Research and Innovation

#### Introduction:

Horizon 2020 is the new financial programme of the European Union (EU) for research and innovation and acts as the successor to the current programme (FP7) which will run until the end of 2013. It has a budget of just over **€70 billion** for the period between 2014 and 2020. The new programme is part of the drive to create new growth and jobs in Europe. Horizon 2020 brings together all existing Union research and innovation funding currently provided through the Framework Programme for Research and Technical Development (FP7), the innovation related activities of the Competitiveness and Innovation Framework Programme (CIP) and the European Institute of Innovation and Technology (EIT).

#### Objectives and features:

- Strengthen Europe's science base by improving its performance in frontier research, stimulating future and emerging technologies, encouraging cross-border training and career development, and supporting research infrastructures.
- Boost Europe's industrial leadership and competitiveness through stimulating leadership in enabling and industrial technologies, improving access to risk finance, and stimulating innovation in SMEs
- Increase the contribution of research and innovation to the resolution of key societal challenges
- Provide customer-driven scientific and technical support to Union policies
- Help to better integrate the knowledge triangle --- research, researcher training and innovation

Horizon 2020 aims to tackle societal challenges by helping to bridge the gap between research and the market.

#### Key priorities of horizon 2020:

1. Excellent science
2. Industrial leadership
3. Societal challenges

Nangarhar University is pleased to become a member of an EU funded research and innovation project with collaboration of 17 partner universities and institutions from Europe and south Asia. The project has been funded by the EU seventh framework program under grant agreement n° 609562.

**CASCADE and its Objective:** CASCADE aims to provide the foundation for a future INCONET program targeting South Asian Countries, which will promote bi-regional coordination of Science & Technology (S&T) cooperation, including priority setting and definition of S&T cooperation policies.

The objectives of CASCADE, as an 18-month supporting action are to:

1. Compile a regional position paper that identifies global challenges and research priorities
2. Map and develop an inventory of national and regional stakeholders related to global challenges
3. Raise awareness on research & innovation priorities for fostering cooperation and towards building mutual understanding on how to address common global societal challenges.
4. Compile a policy brief with recommendations to the European Commission on how to promote bi-lateral cooperation with Southern Asia with a view to tackling key societal challenges of mutual interest.

#### Project partners:

The lead applicant (**USAL**) University of Salford will have responsibility for the general administration of the project.

**Europe:** United Kingdom, Estonia, Lithuania, Italy, France

**South Asia:** Afghanistan, Bangladesh, Bhutan, Maldives, Nepal, Pakistan and Sri Lanka.

#### Societal challenges:

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture, marine and maritime research and the bio-economy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, resource efficiency and raw materials
6. Europe in a changing world-inclusive, innovative and reflective societies
7. Secure societies-protecting freedom and security of Europe and its citizens

#### Point of contacts (NU Afghanistan):

Prof. Naeem Jan Sarwary (Vice Chancellor student Affairs)

Phone: +93(0)700 604 214 Email: n.sarwary.vc@nu.edu.af

Sharifullah Sherzad (Team leader CASCADE project)

Phone: +93(0) 700 160 924 Email: sharifatsal\_2007@yahoo.com





## Collaborative Action towards Societal Challenges through Awareness, Development, and Education (CASCADe)

Champika Liyanage<sup>1</sup>(WP2-Lead), Dilanthi Amaratunga (PI)<sup>2</sup>, Richard Haigh<sup>3</sup>, Kanchana Ginige<sup>3</sup> and Michael Ojetabi<sup>3</sup>

<sup>1</sup>GBSACE, University of Central Lancashire and <sup>2</sup>Centre for Disaster Resilience, University of Salford



### Project Background

The project CASCADe was initiated as an 18 month supporting action to enhance the international cooperation in research and innovation between the EU and South Asia with the financial support from the European Union's FP7 Programme.

### Aim and Objectives

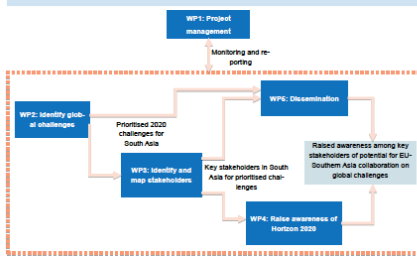
#### Aim

CASCADe aims to provide the foundation for a future International Cooperation Network programme targeting South Asian Countries, which will promote bi-regional coordination of Science & Technology cooperation.

#### Objectives

1. compile a regional position paper that identifies global challenges and research priorities;
2. map and develop an inventory of national and regional stakeholders related to global challenges;
3. raise awareness on research and innovation priorities for fostering cooperation and towards building mutual understanding on how to address common global societal challenges.

### Project Work Plan



### Work Package 2 (WP2)

WP2 of the project aims to compile a regional position paper for South Asia identifying mutual societal challenges of South Asia and EU taking the 07 societal challenges. The work carried out as part of WP2 is divided into two main phases in achieving its aim:

Phase 1 (COMPLETED) - A policy analysis has been conducted to examine the available policies in each area of societal challenges (if any) in the 07 South Asian (SA) countries.

Phase 2 (ON-GOING) - An empirical study is carried out employing semi-structured interviews and focus groups.

Phase 3 (TO BE DONE) - Preparation of national position papers for each South Asian country identifying key societal challenges in the country, and a regional position paper for the region identifying mutual societal challenges with the EU.

### Project Partners

CASCADe is a consortium of seventeen project partners from EU and South Asia:

- Europe:
  - University of Salford, UK (Coordinator)
  - University of Central Lancashire, UK
  - Tatnall University of Technology, Estonia
  - Vilnius Gediminas Technical University, Lithuania
  - University of Bologna, Italy
  - Fondation pour la recherche stratégique, France

#### South Asia:

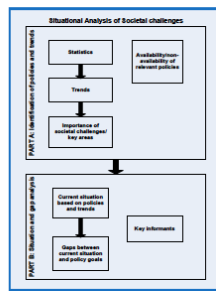
- Nangarhar University, Afghanistan
- Pastakhal Science and Technology University, Bangladesh
- Raja Institute of Management, Bhutan
- ECO CARE, Maldives
- Institute of Engineering, Tribhuvan University, Nepal
- Volunteers for Development Nepal, Nepal
- University of Peshawar, Pakistan
- Local Councils Association of the Punjab, Pakistan
- Federation of Sri Lankan Local Government Authorities, Sri Lanka
- University of Moratuwa, Sri Lanka
- Asian Disaster Preparedness Centre

### Horizon 2020 Societal Challenges

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the Bio-economy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, environment, resource efficiency and raw materials
6. Inclusive, innovative and reflective societies
7. Secure societies - protecting freedom and security of citizens

### WP2 Data Collection and Findings

#### PHASE 1



#### STATISTICAL ANALYSIS OF THE SOCIETAL CHALLENGES

Kendall's W Test



TEST STATISTICS FOR SIX COUNTRIES	
N	40
Kendall's W	.782
Chi-Square	44.588
df	5
Asymp. Sig.	.000
a. Kendall's Coefficient of Concordance	

#### PHASE 2

#### Number of interviews and focus groups conducted

COUNTRY	CHALLENGE						
	1	2	3	4	5	6	7
Afghanistan	02	02	02	02	05	02	02
Bangladesh	01						
Bhutan	01						
Maldives	03	04	04	04	04	02	02
Nepal	01						
Pakistan	05	03	05	02	10	05	14
Sri Lanka	01	01	01	01	01	02	02

Interviews Focus groups

CASCADe website: [www.cascade-project.eu](http://www.cascade-project.eu)  
email: [cascade@lancaster.ac.uk](mailto:cascade@lancaster.ac.uk)

- Although policies are available, lack of strategies and effective action plans leads to low level of effectiveness. Therefore, there is need to develop appropriate strategies and action plans together with institutional arrangements.
- According to the preliminary findings so far, Challenge 1: Health, demographic change and well-being, almost all SA countries recognised health as a very important sector that requires appropriate measures for improvement in health and social care on a priority basis. The 'health' need is greater in countries like Bangladesh and Pakistan, compared to other countries, due to the scarcity of hospital facilities.

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## 7. List of all beneficiaries with the corresponding contact names

Beneficiary organisation	Corresponding contact name/s	Contact email address
University of Huddersfield, United Kingdom	Professor Dilanthi Amaratunga, Professor Richard Haigh  (Professor Dilanthi Amaratunga is the Scientific Coordinator of the CASCADE Project – please refer the note below) )	<a href="mailto:d.amaratunga@hud.ac.uk">d.amaratunga@hud.ac.uk</a> , <a href="mailto:r.haigh@hud.ac.uk">r.haigh@hud.ac.uk</a>
University of Salford, United Kingdom  (University of Salford is the Grant holder – please refer the note below )	Owen Summers	<a href="mailto:O.A.Summers@salford.ac.uk">O.A.Summers@salford.ac.uk</a>
University of Central Lancashire, United Kingdom	Dr. Champika Liyanage	<a href="mailto:CLLiyanage@uclan.ac.uk">CLLiyanage@uclan.ac.uk</a>
Tallinn University of Technology, Estonia	Professor Irene Lill	<a href="mailto:irene.lill@ttu.ee">irene.lill@ttu.ee</a>
Vilnius Gediminas Technical University, Lithuania	Professor Artūras Kaklauskas	<a href="mailto:arturas.kaklauskas@vgtu.lt">arturas.kaklauskas@vgtu.lt</a>
Università di Bologna, Italy	Professor Massimo Bianchi	<a href="mailto:massimo.bianchi@unibo.it">massimo.bianchi@unibo.it</a>
Fondation pour la Recherche Stratégique, France	Alexandre Houdayer	<a href="mailto:a.houdayer@frstrategie.org">a.houdayer@frstrategie.org</a>
Nangarhar University, Afghanistan	Dr. Bayer Darmel	<a href="mailto:Bayer500@yahoo.com">Bayer500@yahoo.com</a>
Patuakhali Science and Technology University,	Professor Mostafa Zaman	<a href="mailto:mostafa_zamanpstu@yahoo.com">mostafa_zamanpstu@yahoo.com</a>



Bangladesh		
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Institute of Engineering Pulchowk, Nepal	Nagendra Raj Sitoula	<a href="mailto:nrsitoula@gmail.com">nrsitoula@gmail.com</a>
Volunteers for Development Nepal	Basanta Kumar Parajuli	<a href="mailto:vfdnepal@gmail.com">vfdnepal@gmail.com</a>
University of Peshawar, Pakistan	Dr. Naveed Ahmad	<a href="mailto:drnaveedahmad.eec@gmail.com">drnaveedahmad.eec@gmail.com</a>
Local Councils Association of the Punjab	Anwar Hussain	<a href="mailto:director@lcap.org.pk">director@lcap.org.pk</a>
University of Moratuwa, Sri Lanka	Professor Samantha Hettiarachchi	<a href="mailto:sampens1955@hotmail.com">sampens1955@hotmail.com</a>
Federation of Sri Lankan Local Government Authorities	Hemanthi Goonasekera	<a href="mailto:hemanthi@fslga.lk">hemanthi@fslga.lk</a>
Ecocare Maldives	Hinna Khalid	<a href="mailto:hinna.khalid@yahoo.com">hinna.khalid@yahoo.com</a>
Asian Disaster Preparedness Center	N.M.S.I. Arambepola	<a href="mailto:arambepola@adpc.net">arambepola@adpc.net</a>

**Note:**

Professor Dilanthi Amaratunga is the Scientific lead of CASCADE and she was at University of Salford until the 31<sup>st</sup> August 2014, which is the Grant holder of CASCADE. From 1<sup>st</sup> September 2014 onwards, she commenced her employment at the University of Huddersfield, UK. As this change of employment took place at the later stages of the CASCADE project, based on discussions with the EU, University of Salford continued to be the grant holder with University of Huddersfield being added as a beneficiary representing Professor Dilanthi Amaratunga's university. Accordingly, Professor Dilanthi Amaratunga continued to be the project lead, operating from University of Huddersfield, UK. She was supported by the Project Co-lead, Professor Richard Haigh, who too left University of Salford on the 31<sup>st</sup> August 2013 and joined University of Huddersfield, UK commencing 1<sup>st</sup> September 2014.