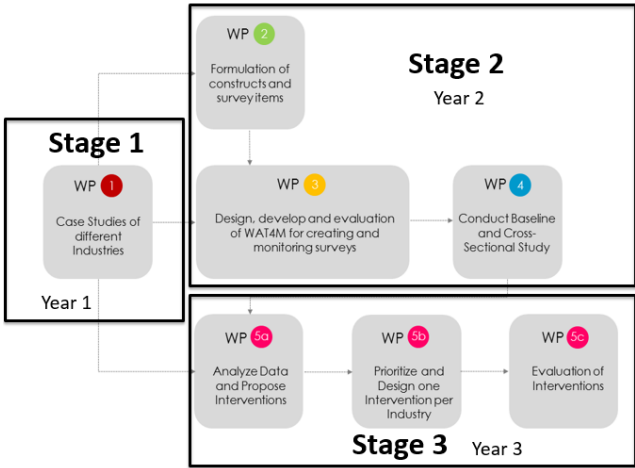


Name of research project:	<p>A baseline, cross-sectional and intervention study investigating individual, cultural and organisational factors influencing ownership of workplace Safety and Health (WSH) leading to a mindset change and actions</p> <p>Project Duration: 1 Feb 2017 - 31 Jan 2020</p>
Background/Rationale	<p>The WSH Institute and Nanyang Technological University, Singapore are collaborating on a study to understand the interaction of individual, cultural and organisational factors, and how they could influence greater ownership of workplace safety and health (WSH) outcomes in Singapore. The study aims to identify the success factors, test interventions and propose recommendations to inculcate greater industry ownership of WSH so as to advance WSH performance.</p>
Study Objectives and Design	<p>The study objectives are to:</p> <ol style="list-style-type: none"> 1. define the meaning and elements of industry ownership for WSH, including understanding the reasons for the difference in the level of industry ownership as well as factors/variables/influencers that contributed to WSH ownership; 2. determine how industry demonstrates ownership; 3. develop an ownership measurement tool; 4. identify key success factors in the inculcation of industry ownership; 5. propose suitable interventions and measure the effectiveness; 6. propose recommendations to inculcate industry ownership for WSH; and 7. explore the relationship between WSH ownership and productivity and the various ways to enhance this relationship. <p>Using mixed-method involving qualitative and quantitative approaches and communication-and information-related interventions, the three-year study consists of five work packages and will be conducted over three key stages.</p> 
Interim findings/reports:	<ul style="list-style-type: none"> • About the Project

- Sharing on the project background and impetus by lead principal investigator, Prof. Theng Yin Leng at the WSH Institute Forum 2017 – Safety and health at work: Who Owns it?, 18 May 2017

Note: Full report of the Forum can be view here: [20170518_NTUSlidesForum](#)

[Report](#)

- Posters on the key thrusts of the project presented at the XXI World Congress on Safety and Health at Work, Singapore, 3 - 6 Sep 2017

[XXI World Congress on Safety and Health at Work I](#)

[XXI World Congress on Safety and Health at Work II](#)

- **Literature Review Findings**

Report: **Upcoming!**

- **Phase 1 Findings**

Case studies of five major industries to gain in-depth understanding of WSH ownership

- Overview of findings:

[Presentation slides](#)

[Poster](#)

Note: Poster presentation at the 5th Singapore WSH Conference, 29 - 30 Aug 2018

Highlights of sector report:

- ✓ Construction
 - Report: **Upcoming!**
- ✓ Logistics & Transport
 - Report: **Upcoming!**
- ✓ Marine Industries
 - Report: **Upcoming!**
- ✓ Metalworking & Manufacturing
 - Report: **Upcoming!**
- ✓ Hospitality & Entertainment Industries
 - Report: **Upcoming!**

<p>Collaborator/s:</p>	<p>The research team is interdisciplinary with expertise in disciplines such as health communication and information, communication studies, information science, computer and usability engineering.</p> <p>Supported by the Centre of HEalthy and Sustainable CitieS (CHESS) of the Nanyang Technological University (NTU), the research team consists of the lead principal investigator working closely with project principal investigators with advice from two expert advisors in economics and health communication.</p> <p>Lead Principal Investigator: Prof. Theng Yin Leng Director, Centre for HEalthy and Sustainable citieS (CHESS), Wee Kim Wee School of Communication and Information (WKWSCI), Nanyang Technological University (NTU)</p> <p>Project Principal Investigators: Prof. May Oo Lwin (WKWSCI) Assoc. Prof. HO Soo Yee, Shirley (WKWSCI) Assoc. Prof. GOH Hoe Lian, Dion (WKWSCI) Assoc. Prof. LEE Chei Sian (WKWSCI) Assoc. Prof. CHEN Hsueh-hua, Vivian (WKWSCI) Asst. Prof. PANG Lee San, Natalie (WKWSCI) Asst. Prof. PEE Loo Geok (WKWSCI)</p> <p>Scientific Advisors: Prof. Charles Thomas SALMON (WKWSCI) Prof. QUAH Teong Ewe, Euston (HSS)</p> <p>Note:</p> <p>This is the first project following the signing of the Memorandum of Understanding (MOU) between NTU and WSH Institute, MOM on 25 Aug 2016. The collaboration was signed at the Communication and Informatics Research Laboratory Asia (COOL ASIA) on 6 Jan 2017 WKWSCI, NTU, Singapore.</p>
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Research collaboration agreement signed on 6 Jan 2017 to deepen understanding on industry ownership of workplace safety and health.

Photo (from left): Interim Director, NTU-WSH Institute Research Centre and Director, Centre for Healthy and Sustainable Cities, Prof. Theng Yin Leng; Dean, College of Humanities, Arts and Social Sciences (CoHASS) Prof. Alan Chan; Former-Executive Director, WSH Institute (and Senior Consultant, Occupational Safety and Health Division, MOM), Dr Gan Siok Lin; and Covering Director, WSH Institute, Mr Woon Cheng Peng.

More information on the MOU between NTU and Workplace Safety and Health Institute (WSHI):

An MOU between MOM, represented by WSH Institute was signed on 25 Aug 2016 during the 4th Singapore WSH Conference 2016. Witnessed by close to 1,000 local and international WSH experts, business leaders and government officials, the MOU sets out a framework for research collaboration activities between the two organisations.

As part of the MOU, the NTU-WSH Institute Research Centre will be established to provide research focus on three key areas –

- (i) developing effective communication methods to raise the awareness of workplace safety and health;
- (ii) formulating data analytics and predictive methods for improved prevention of work accidents and ill health; and
- (iii) highlighting the risks of workplace safety and health from new technologies.



Signing of the MOU by Permanent Secretary, Ministry of Manpower, Mr Aubeck Kam and Former President, Nanyang Technological University, Professor Bertil Andersson. Witnessing the signing is Former Minister of State for Prime Minister's Office and Ministry of Manpower (and current Minister of State, Ministry of Foreign Affairs & Ministry of Social and Family Development), Mr Sam Tan on 25 Aug 2016.



Group photo (From left): Interim Director, NTU-WSH Institute Research Centre and Director, Centre for Healthy and Sustainable Cities, Prof. Theng Yin Leng; Former Chairman, WSH Council, Mr Heng Chiang Gnee; Permanent Secretary, Ministry of Manpower, Mr Aubeck Kam; Former Minister of State for Prime Minister's Office and Ministry of Manpower (and current Minister of State, Ministry of Foreign Affairs & Ministry of Social and Family Development), Mr Sam Tan; Former President, Nanyang Technological University, Professor Bertil Andersson; Commissioner for Workplace Safety and Health, Er Ho Siong Hin; Former-Executive Director, WSH Institute (and

	<p><i>Senior Consultant, Occupational Safety and Health Division, MOM), Dr Gan Siok Lin</i></p>
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