**IWSH Talking Points:**

Mission & goals: Serve as the conduit for the **International Water, Sanitation and Hygiene community**, with specific focus on the role of the **Plumbing Industry** in community collaborations and educational exchange.

**Clean water and sanitation are fundamental human rights.**

They directly impact life, health, prosperity, and opportunity.

Work with international stakeholders to... (initial goals)

* **Develop Frameworks for Water and Sanitation Systems**
* **Build A Skilled Workforce**
* **Establish Mechanisms for Reliable Supply Chains**

Latest goals on website

* **Demonstrating that Plumbing is Vital for Global Health**
* **Connecting Skilled Tradespeople from across the world**
* **Encouraging Inclusion and Community Collaboration**

We devote our resources and technical expertise to work with public and private partners in carrying out these three-fold objectives.

**Extending the work of industry, government, charities and organizations though collaboration**. We help our partners take the next step in developing **standardized systems** that can be replicated globally, accompanied by

**training that builds communities**.

We **promote and connect** partner agencies working in the international WASH sector. We offer **technical assistance** to innovative and inspirational programs addressing **improvements in public health and living environments**, for communities most in need.

Across the world, we connect **technical experts** with **local community networks** to develop and embed real skills in the **design, management, and long-term sustainable maintenance** of water and waste systems.

**Community Plumbing Challenge:**

Project Inception to Plan of Work to Local Sustainability creating a model that can be replicated Community Plumbing Challenges (CPC) identify one site globally per year and go beyond providing water; we provide an infrastructure for the future. The projects improve conditions and set the community on a path for self-reliance through sustainable access to piped water and sanitation.

By providing safe access to clean water and sanitation, IWSH empowers people

to build a better future for themselves and their families.

The CPC approach has two elements: **Education** and **Health Infrastructure**

1. Workforce Development Initiative: **Sharing** globally with **in-country** talent while building awareness for local partners completing the work.
2. Community Benefit/Improvement Projects
   1. Launch/Initiate continuous Community Plumbing Projects:
3. Schools
4. Upskilling
5. Health Care Facilities
6. Urban settings
7. Public health in regions where communities are still threatened by a lack of basic sanitation and safe drinking water systems.
8. Partner with **local resources** for education, certification, awareness, long term local maintenance.
9. Short term goals are: **enhanced systems**

**skilled workforce**   
**safe Water, Sanitation & Health**

1. Long term goal – future **personnel credentialing   
    replicative models**

We are learning from every Community Plumbing Challenge how to deepen our impact. Each project has an immediate benefit followed by a legacy program to continue the education and work of those residents maintaining these facilities.

Target Regions:

* Thengpal Dhap, Nepal
* Kerala, India - 2015
* Diepsloot, South Africa - 2016
* Indonesia - 2017
* Native American/First Nations Tribal lands - 2018 & 2019
* Makassar, South Sulawesi, Indonesia - 2020

**Methods**

**Our programs start with Education**

In other parts of the world what we take as common is uncommon. The ability to drink directly from the tap or to flush a toilet are considerably rarer than access to a cell phone.

By teaching how a system works, it is easier to teach how a system is assembled and how it is maintained.

The old adage is “give a person a fish and they eat for today, teach a person to fish and they eat for a lifetime”. The same applies to sourcing and managing clean drinking water and safely removing human waste from potentially contaminating the hard-won water.

**We put “boots on the ground”**

**Focus on the Future**

Infants and seniors are the most effected by unsafe water and unsanitary conditions. Their immune systems are either still developing or are compromised. We teach how plumbing builds communities. Plumbing allows for people to live in higher densities by controlling the safe drinking water and effectively disposing of the human waste (while not impacting the next community downstream).

By protecting a child’s health and hygiene in their early years, the opportunities for their future – their strength and their abilities – are massively increased. And as they become teenagers and young adults, our youth represent the future of trades, of skills, of jobs, economies and industries – many of which, don’t even exist yet.

Young people are the future of our communities, of our neighborhoods, and of our cities: how these environments work, and how these environments provide their citizens with better quality of life.

With attracting the younger people in mind, IWSH also engages youth worldwide through an annual **Essay Scholarship** competition to acquaint the uninitiated with the crucial importance the plumbing industry plays in our everyday lives and to introduce students to the global impact of IWSH projects. Globally open to current high school seniors; or enrolled or accepted as a full-time (12 credit hours) students in an accredited technical school, community college, trade school, four-year accredited college or university, or an apprentice program.

IWSH also presents **World Plumbing Day Poster Contest** and other initiatives each year: all intended to generate debate, raise awareness and promote the importance of plumbing as vital to global health. March 11 is marked by an international poster competition for children in 1st to 6th grade. The winning poster creator receives US$1,000 for their school and US$100 for themselves. Second place receives US$500 for their school and US$50 to the student and third place receives US$250 to their school and US$25 to the student.

**History**

In 2014, The IAPMO Group Board of Directors put into motion a tax-exempt foundation to work globally on issues where our distinct expertise (model code development and product testing/certification) can do the most good for communities in need.

There is a glaring shortfall between installing wells/water sources and providing the resources and training to have residents install and maintain their own piped, sustainable potable water and sanitation systems. IWSH serves as the plumbing industry’s conduit toward upskilling communities, education exchange from varied global expertise, and physical project enhancements.

IWSH connects and empowers an even greater network of global partners and stakeholders through customized development projects that leave an instant and lasting impact.

The IWSH Foundation works to improve the human condition by fostering the

basic human right of safe access to clean water and sanitation.

We strive to align efforts with government, industry, and the communities where we work to ensure that the water systems are safe and sustainable; building a conduit within the WASH community, as we have successfully done with our partners through global initiatives to date.

Guiding Principles for the Foundation’s efforts and project plan for maximum impact:

• Use local resources

• Provide training to key members of the community

• Engage both the local youth and the design/installation teams — they are the future

• Focused technical plumbing expertise and full resources

• Long a long-lasting impact by building community infrastructure and incorporating full set of product and installation standardization

**Strategies:**

Industry Involvement

* Skilling local workforce
* Focusing technical plumbing expertise full resources
* Providing design solutions for localized issues

Resources

* Products access
* Local supply chain development
* Community driven system design decisions
* Engaging the youth

Conduit

* IAPMO’s vast industry and government network
* Knowledge transfer from experts
* Extending the great work of existing water charities

**Highlights**

Completed projects

* + - * Haiti ? (done under IAPMO gift)
      * Nepal
      * India
      * South Africa
      * Indonesia
      * Navajo Nation

Legacy on-going projects

* + - * Nepal
      * India
      * South Africa
      * Indonesia

**Vision**

* **Building Safe, Sustainable Systems** that can be installed and maintained by a local **Skilled Workforce** trained to work within local constraints
* **Advancing** cooperation with likeminded businesses to expand knowledge networks and assist in development of **upskilled workforce** for communities in need
* Consistent messaging of member organization’s **global humanitarian goals**