



WASH in HCF

Global Learning Event

Kathmandu, Nepal

28-30 March 2017

Plumbing Design Solutions



Megan Lehtonen
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World Plumbing Council



IWSH.org

The International Water, Sanitation and Hygiene Foundation



NEPAL SANITATION STUDIO

[Video]

<https://youtu.be/UVXBFatnRcU>







Approach and/or tools used



Approach and/or tools used





SINGAPORE | 2014

Simulation of rainwater collection and water pump installation for rural villages in Nepal and Bangladesh.



 @CommPlumbing



INDIA | 2015

Collaborative design and construction of new handwashing and toilet facilities at Municipal School.



#COMMPLUMBING



SOUTH AFRICA | 2016

Collaborative design and installation of communal toilet and water supply units across township settlement.



 /CommunityPlumbingChallenge

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The current washroom facilities of the school are inadequate



Community Plumbing Challenge: NASHIK, INDIA

[Video]

<https://youtu.be/7HeEru2VwqM>

Outcomes



- CPC2015: Nashik MNP School 125, India
- CPC2016: Diepsloot Township, South Africa
- **NEW** CPC2017: Cicau Village, Indonesia
- **NEW** CPC2018: Healthcare Facility, India (TBC)

#COMMPLUMBING





COMMUNITY PLUMBING CHALLENGE 2016

Diepsloot – Johannesburg, South Africa

The International Community Plumbing Challenge aims to improve public health in regions where communities are threatened by a lack of basic sanitation and safe drinking water systems.

Improved Access
for 1,288
Residents

IMPACT TO DATE*
IN DIEPSLOOT:

14 communal toilets
replaced in 7 days

Improved access for
1288 local residents

56,000ltrs water per day
saved due to upgrades

* Community Plumbing Challenge
preparatory visit, March 2016.



Strengths

- Build Bridge Between Technical Expertise and Community
- Sustainability/Maintenance through Data Collection



MONITORING AND EVALUATION

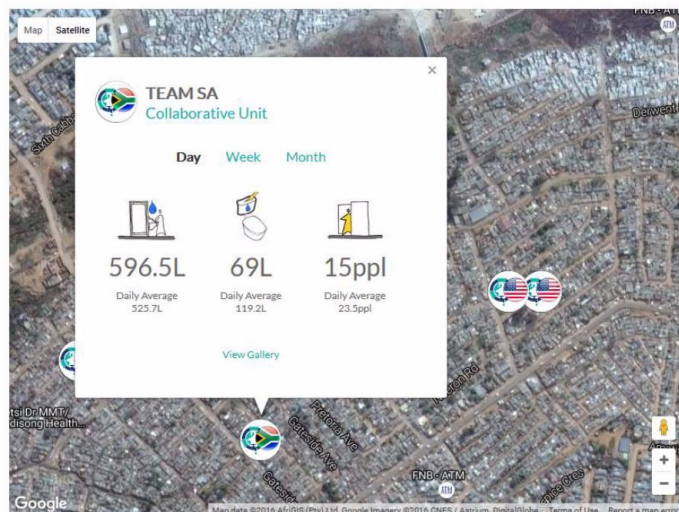


COMMUNITY PLUMBING CHALLENGE 2016

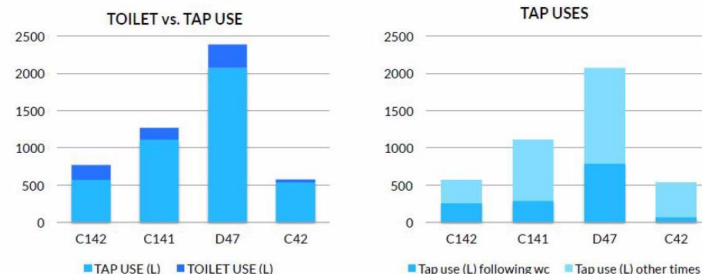


LIVE DATA Diepsloot, South Africa

Tuesday 13 September, 2016 | 15:33 SAST



AVERAGE DAILY POPULATION USE
Population of use to CPC upgraded toilets 2016



TOILET C142



TOILET C141



TOILET D47



TOILET C42

A NEW 'VILLAGE' CPC



- Bringing the CPC vision and mission to the very heart of a host community, encompassing both school and public spaces to promote skills development, improved sanitation and hygiene awareness for all: a safe, welcoming and collaborative environment for all participants to experience a life-changing design and construction challenge.

CPC: INDONESIA 2017 CICAU VILLAGE



- SUMMARY OF CPC INDO PROJECT: CICAU VILLAGE

References / Contact

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