Samoa’s Environmental Economic Accounting (SEEA) Experimental Water Account
1. SEEA Development

SBS Environment Unit - July 2013
SEEA mission in 2013

- Identified Water Accounts a Priority
- Capacity building & Trainings
  - SEEA training August 2013, Samoa
  - SEEA training July 2014, NY USA
  - Water Accounting Attachment, ABS 2014
  - SEEA seminar for ESCAP, Chiba Japan 2016
- Data identification & compilation
- Stakeholder consultation
Aug 2015: ESCAP sponsored mission
- Meetings & Consultations
- Assessing data & populating the accounts using the available data
- Addressing data gaps using Statistical techniques
- Presentation of provisional results to key stakeholders
2. RESULTS

- Producing Experimental Physical supply & use tables for:
  - 2011-12
  - 2012-13
  - 2013-14
  - 2014-15

- Monetary Information
  - Distributed water (SWA & IWS) 2014-15

- Indicators
  - M3 per household
  - Water expenditure per household ($/m3)
Fig. 1: Major Water Flows in Samoa 2014-15 (millions m³)

Key:
- Arrows indicate Abstraction from the Environment
- Dashed arrows indicate Water from other economic unit
- Double arrows indicate Wastewater

Sewerage (WWTP) to Water Supply:
- 0.19
- 0.002
- 0.002
- 0.187

Other economic units:
- Agriculture & Fishing: 3.04
- Manufacturing: 0.55
- Electricity: 75.25
- Other Industries: 0.04
- Households: 0.70

Inland Water Resources:

Note: Definition of Wastewater as frequently used throughout this document “is discarded water that is no longer required by the owner or user”.
Household Indicators

Water use & amount paid per cubic meter 2014-2015

The image contains two bar graphs. The left graph shows water use in cubic meters (m³) for different categories: SWA metered industry, SWA metered households, SWA unmetered households, and IWS unmetered. The right graph shows the cost in Tala per cubic meter (Tala/m³) for the same categories.
Challenges:

- Water data access/data sharing
  - Confidentiality
- Standardization of water data. E.g.
  - Coding of industry
  - Using same definition of household size
  - Reference years (calendar or financial)
- Linking accounts to decision-making and processes
4. Way Forward

- Enable ES & Water Accounts to be provided & compiled regularly (Water accounts 2015-16 ready to be released)
- Interest from other sectors. Develop & Apply SEEA into other areas:
  - Waste, Energy
- Linking accounts to decision making and processes
- Increase coordination and cooperation to:
  - enable ES to be provided & complied regularly
  - enable Water and Environment Accounts to be compiled continually
  - enable to provide statistics to monitor the progress of E. Indicators (e.g. Sector, SDS, SDGs)