Schweizerische Eidgenossenschaft
Confédération suisse
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Swiss Confederation

GAWSIS

ET-WDC meeting

22 May 2012

Overview

1. Role of GAWSIS within GAW

2. Achievements since Toronto meeting

3. Google Analytics dashboard

4. Challenges

Role of GAWSIS within GAW

- «Definition» of ground-based GAW network

- Clearing-house for GAW IDs

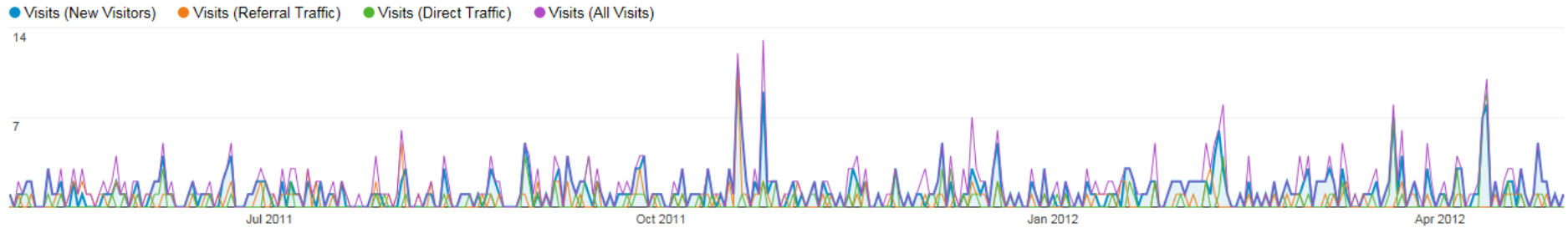- Documentation of stations, measurement programs and contacts

Achievements since Toronto meeting

- RAMCES, TCCON, GALION considered
- Comprehensive review of content
  - ➢ Rozemien de Troch (WMO), Eva Bühlmann (MeteoSwiss)
  - ➢ Request for information to countries by WMO (October 2011)
- Consolidation of station coordinates
  - Need to resolve number of open issues (cf. e-mail from
- GAWIDs assigned to all stations
  - Should now be adopted by all GAW WDCs
- Possibility for photo upload
- MeteoSwiss accepted to establish GAWSIS as permanent WDC for metadata and DCPC in WIS
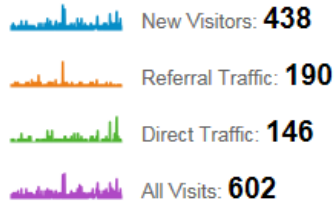- Preparations for migration / re-launch at MeteoSwiss
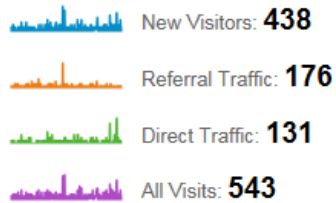
GAWSIS site usage statistics
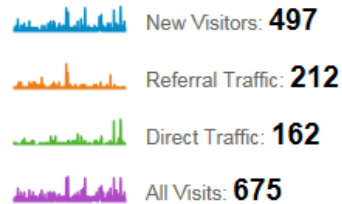
gaw.empa.ch/gawsis, May 2011 – April 2012

● Visits (New Visitors) ● Visits (Referral Traffic) ● Visits (Direct Traffic) ● Visits (All Visits)

Visits

	New Visitors:	**438**
	Referral Traffic:	**190**
	Direct Traffic:	**146**
	All Visits:	**602**

Unique Visitors

	New Visitors:	**438**
	Referral Traffic:	**176**
	Direct Traffic:	**131**
	All Visits:	**543**

Pageviews

	New Visitors:	**497**
	Referral Traffic:	**212**
	Direct Traffic:	**162**
	All Visits:	**675**

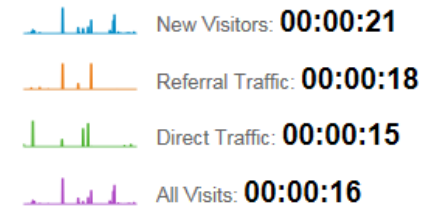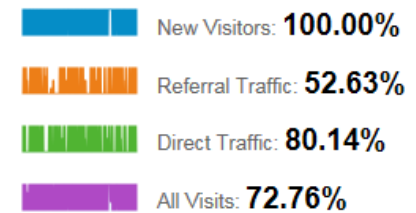**Pages/Visit**

	New Visitors:	**1.13**
	Referral Traffic:	**1.12**
	Direct Traffic:	**1.11**
	All Visits:	**1.12**
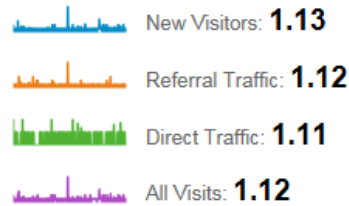
Avg. Visit Duration

	New Visitors:	**00:00:21**
	Referral Traffic:	**00:00:18**
	Direct Traffic:	**00:00:15**
	All Visits:	**00:00:16**

% New Visits

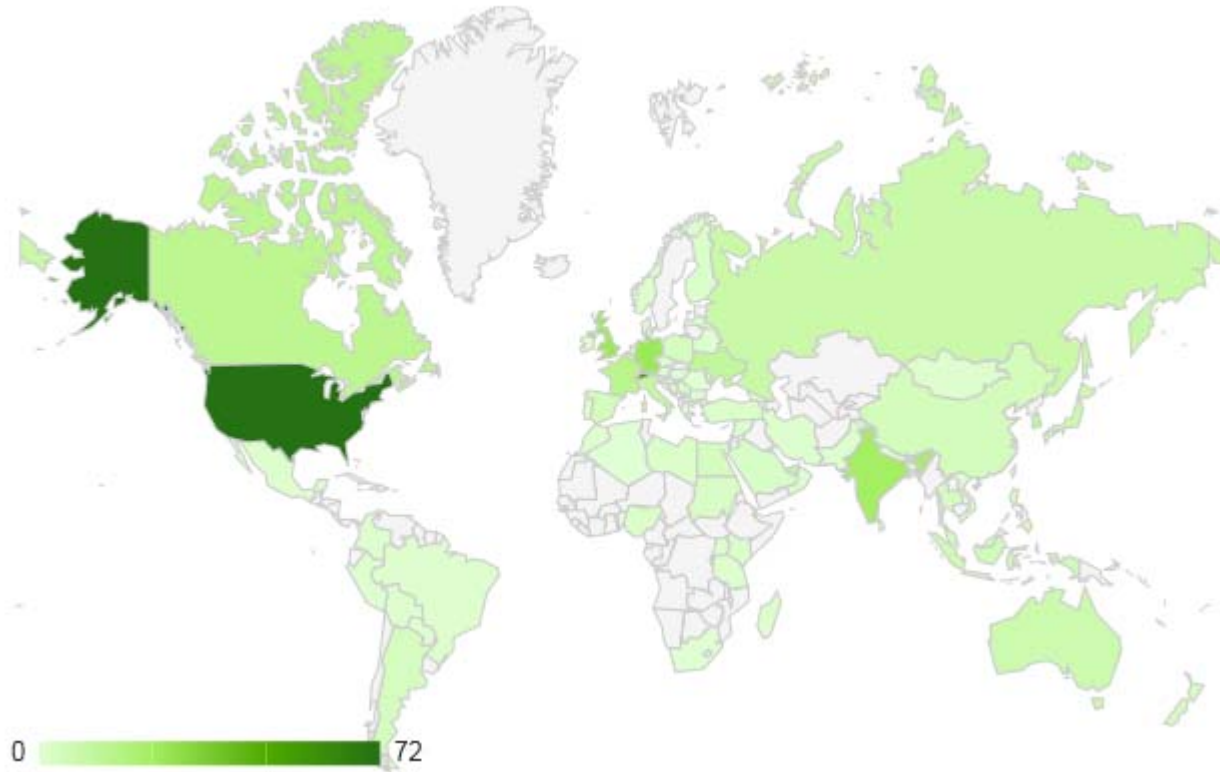|		
	New Visitors:	**100.00%**
	Referral Traffic:	**52.63%**
	Direct Traffic:	**80.14%**
	All Visits:	**72.76%**

GAWSIS site usage statistics

gaw.empa.ch/gawsis, May 2011 – April 2012

Challenges

- Important networks not formally engaged in GAW

  - ➤ Not included comprehensively in GAWSIS (RAMCES, …)
  - ➤ AERONET, SKYNET, NADP, EONET

- Metadata exchange

  - ➤ No precipitation chemistry except from EBAS
  - ➤ No controlled list of variables to consider
    (What should be considered by GAWSIS?)
  - ➤ Some metadata formats difficult to handle
    (uncontrolled vocabularies at WDC)
  - ➤ Several networks not included in automatic metadata intake
    (TCCON, GALION, BSRN, …)

- Migration of GAWSIS to MeteoSwiss

  - ➤ New database infrastructure
  - ➤ New web platform

Opportunities

- Expansion, re-design of database model

    - Improve granularity (station vs. Platform, data series vs. data set)

    - Improve history of changes to stations

- More comprehensive integration of metadata from diverse sources

- Value-added products useful for network development

    - More, better maps

    - Graphs, charts

- Develop „GAW performance monitoring"

- Modern web technologies, operational support