

Tethys and Annex IV Quarterly Report Q2 FY2015  
Pacific Northwest National Laboratory  
March 2015

The purpose of this document is to report on the Tethys and Annex IV activities carried out within Q2 of FY 2015.

## Milestones

### Tethys (MHK)

Q2 Milestone: Two Annex IV webinars and four online forums will have been held.

Progress:

Two Annex IV webinars have been held during the first two quarters of FY15:

- *Tidal Energy Research in the Bay of Fundy* was held on October 27, 2014 and had around 60 live participants. <http://tethys.pnnl.gov/events/tidal-energy-research-bay-fundy-webinar>
- *Effects of Energy Removal on Physical Systems* was held on February 3, 2015 and had around 55 live participants. <http://tethys.pnnl.gov/events/effects-energy-removal-physical-systems-webinar>

Two expert forums have been held:

- *Analyzing Acoustic Data around Marine Energy Devices* was held on July 24, 2014 and had 21 invited participants. <http://tethys.pnnl.gov/events/expert-forum-analyzing-acoustic-data-around-marine-energy-devices>
- *Risk of Collision between Marine Animals and Tidal Turbines* was held on December 16, 2014 and had 21 invited participants. <http://tethys.pnnl.gov/events/expert-forum-risk-collision-between-marine-animals-and-tidal-turbines>

The next webinar will be on EMF effects and is planned for May 7<sup>th</sup>. Two expert forums on collision will be held in April.

### Tethys (OSW)

Q2 Milestone: Increase of 200 OSW documents in Tethys from beginning FY15.

Progress: A total of 243 offshore wind documents have been added to Tethys during the first two quarters of FY15. Of this total, 48 documents were collected in Q1 and 195 documents were collected in Q2. The documents were collected by searching databases focused on existing windfarms, following references in the citations of key reports, and exploring the archives of scientific journals.

## Tethys Peer Review

### Q3 Milestone:

(Water) The annual peer review will have been carried out, presented to DOE to improve the content and functionality of the site.

(Wind) Solicit peer review of Tethys by newly established OSW practitioners and other relevant Tethys community members.

Progress: The peer review has been completed and a report prepared.

## Performance Metrics for Q2 FY2015

The table below lists the metrics and goals identified in the Tethys Management Plan, as well as the data collected in Q2 (January 1 2015 – March 31 2015). In order to summarize and report findings by the Q2 deadline, metrics were projected to the end of the quarter. Performance metrics representing the entire span of Q2 will be available on Tethys after March 31<sup>st</sup>, along with additional information providing past metrics, reports, webinar attendance, and a list of recently added documents at:

<http://tethys.pnnl.gov/deliverables>.

Metric	Goal	Q2 Progress	Compare to Q1 Data
Total Visits	10% increase on annual basis, to be tracked on revolving quarterly basis.	<b>7,413 users; 10,738 visits</b>	Q1: 6,191 users; 9,025 visits <b>19.7% increase (users); 19.0% increase (visits)</b>
Total Pageviews	10% increase on annual basis, to be tracked on revolving quarterly basis.	<b>83,981 pageviews</b>	Q1: 60,276 pageviews <b>39.3% increase</b>
Average Pages per Visit	No goal, but activity should be tracked on revolving quarterly basis.	<b>7.81 pages/visit</b>	Q1: 6.68 pages/visit <b>16.9% increase</b>
Number of Documents Indexed	Increase by 25 documents per quarter.	<b>2253 documents</b>	Q1: 1573 documents <b>+680 documents; 649 wind, 37 marine</b>
Number of External Websites Linked to <i>Tethys</i>	No goal, as this is outside of our control, but active outreach may increase.	<b>43 domains</b>	Q1: 40 domains <b>+3 domains</b>
Number of Websites Linked from <i>Tethys</i>	Increase by 10 links per quarter.	<b>2593 links</b>	Q1: 1804 external links <b>+789 links</b>
Percentage of Valid Links in <i>Tethys</i>	90% working links at any time.	<b>99.0% links</b>	Q1: 98.9% links <b>0.1% increase</b>

There are also two proxy measures that assess inherently subjective goals. In the absence of quantifiable goals, the PNNL team instead provides examples to evaluate the success of these metrics. The goals and their outcomes are described in the table below.

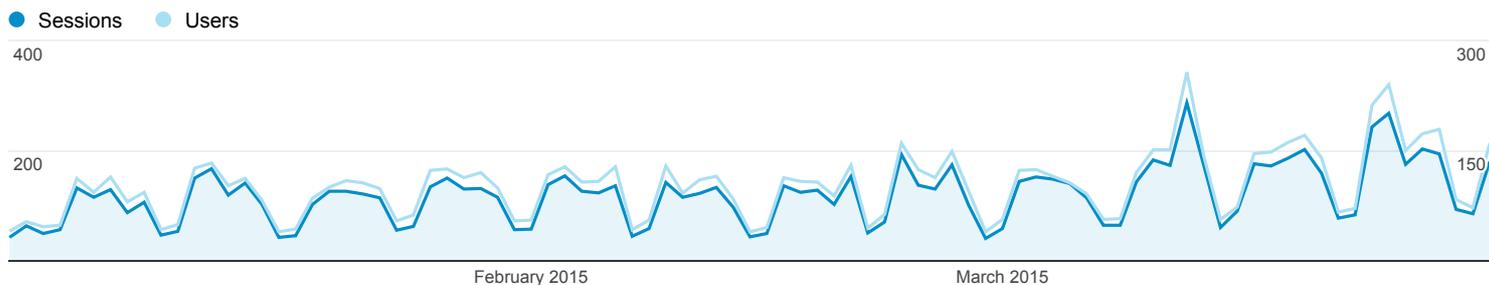
Metric	Definition	Goal	Outcome
<b>Increased functionality and usefulness of site</b>	<b>Proxy measure</b> - <i>Tethys</i> should constantly be adding and enhancing functionality based on community feedback.	Continued improvements annually; determined by annual peer review of 4-6 individuals.  Continued improvements in the site, based on responses to spot surveys.	Notable improvements include (1) WILD documents curated, (2) improvements for the WREN Members Page, and (3) Adding the suggestion box to the footer.
<b>Availability of information useful to users</b>	<b>Proxy measure</b> - This perception is based on how well users can navigate <i>Tethys</i> , how clean the information appears, how much information is available, and more. Ratings, comments, and direct feedback may be used as an indicator when available.	The majority of site users are satisfied with the information they retrieved from <i>Tethys</i> .	Feedback was available from peer reviews and Survey Monkey results. Comments were mostly positive, though some identified important improvements or expressed some confusion. All the comments will be addressed.

# Print Client Dashboard

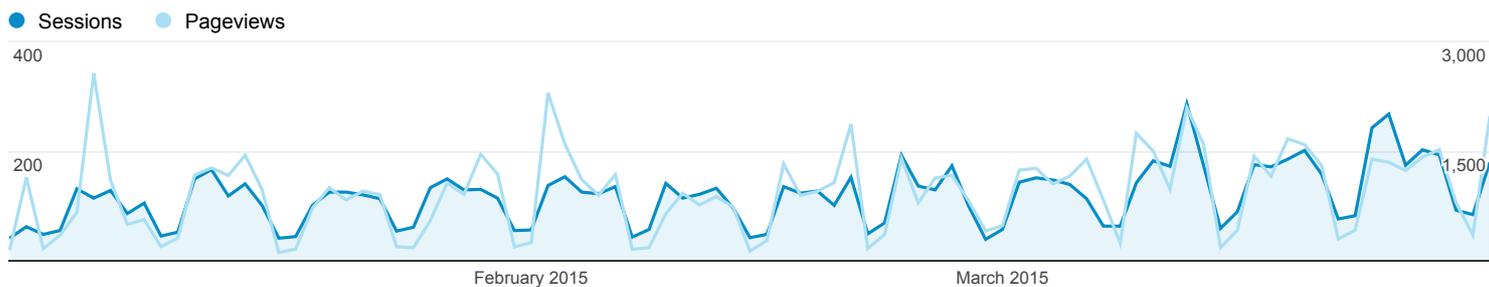
Jan 1, 2015 - Mar 30, 2015

All Sessions  
100.00%

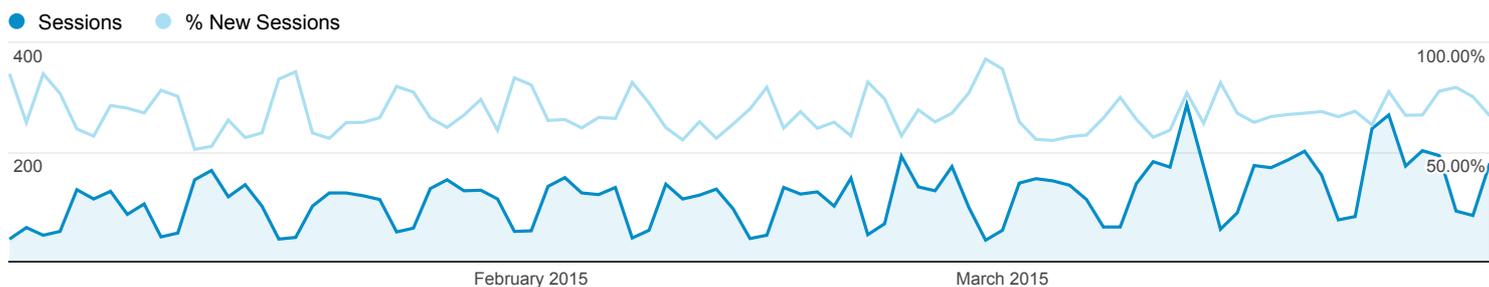
## Visits and Unique Visitors



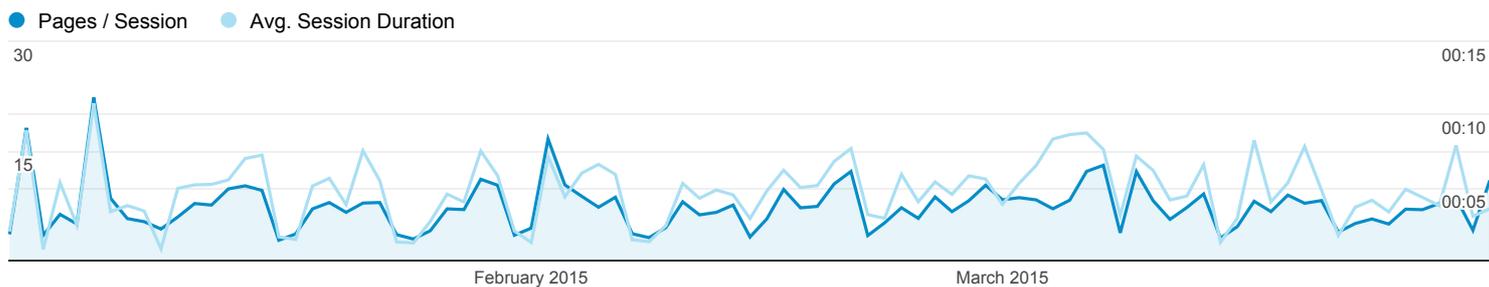
## Visits and Pageviews



## Visits and % New Visits

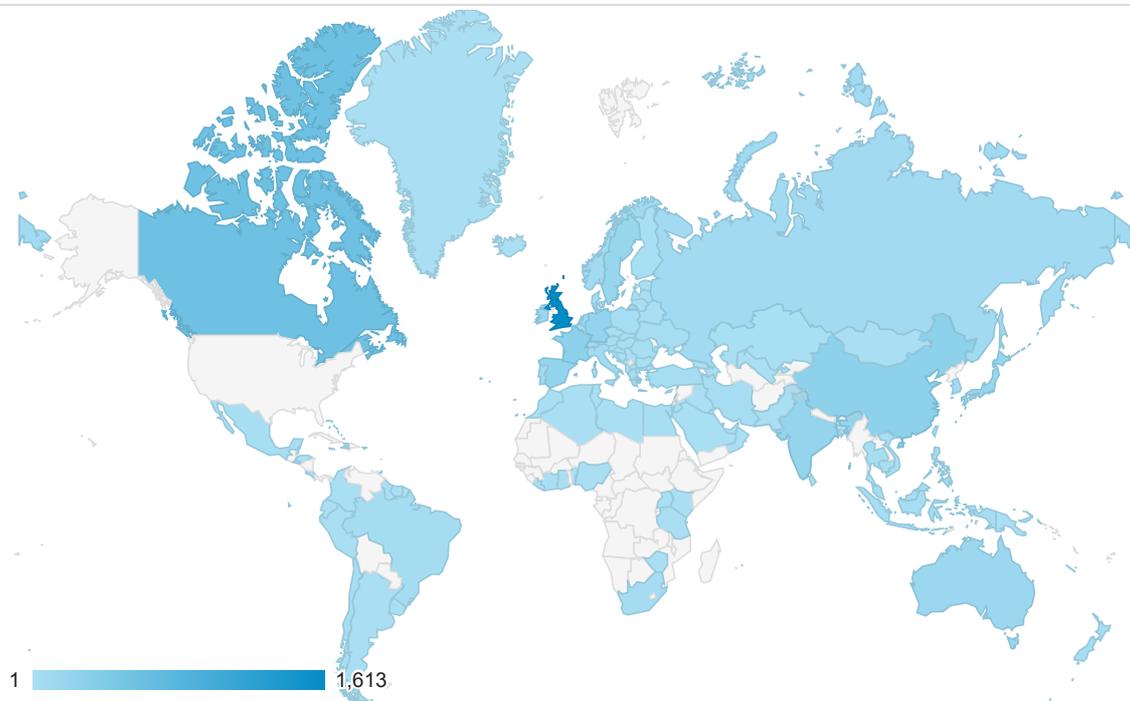


## Pages / Visit and Avg. Visit Duration



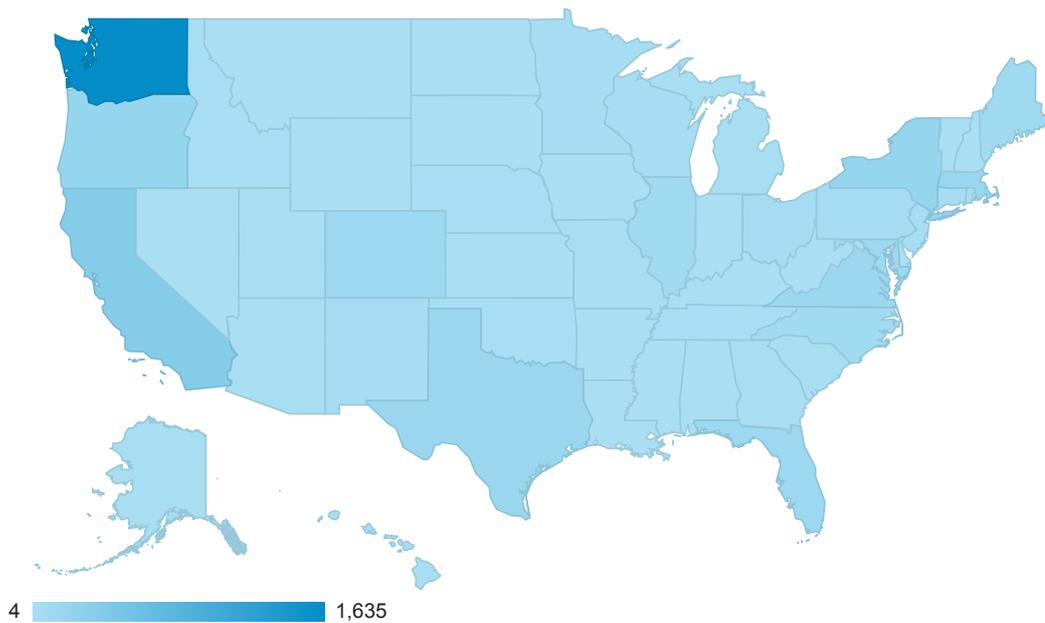
## Visits Per Country (excluding the U.S.)

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## Visits Per State

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## Visits and Bounce Rate by Source / Medium

Source / Medium	Sessions	Bounce Rate
google / organic	5,062	0.08%
(direct) / (none)	2,751	6.14%
en.wikipedia.org / referral	587	0.00%
social-buttons.com / referral	295	100.00%
bing / organic	284	0.00%
jjira.pnnl.gov / referral	191	0.00%
yahoo / organic	179	0.00%
websearch.pnl.gov / referral	104	0.00%
eimr.org / referral	88	0.00%
mhk.pnl.gov / referral	81	0.00%

## Visits and Bounce Rate by Page

Page	Sessions	Bounce Rate
/	2,329	13.78%
/events/webinar-3-understanding-avian-collision-rate-modeling-and-discussing-what-means-population	332	0.00%
/annex-iv-sites/la-rance-tidal-barrage	231	0.43%
/technology-type/wave	194	0.00%
/publications/san-juan-islands-tidal-currents	140	0.71%
/knowledge-base	138	0.72%
/technology-type/tidal	121	0.00%
/tethys-stories/planning-effects-wave-energy-development-going-sea	99	0.00%
/eimr-international-conference-2014	97	2.06%
/annex-iv-sites/sihwa-tidal-power-plant	90	1.11%