

# **sDiv Workshop Summary for “Can ecological network information improve the efficacy of biodiversity conservation for ecosystem services in the face of unavoidable uncertainty?”**

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March 16-20, 2015

Contact: Laura Dee ([IdEE@bren.ucsb.edu](mailto:IdEE@bren.ucsb.edu))

Participant List:

**Laura Dee** (University of California, Santa Barbara)  
**Steve Gaines** (University of California, Santa Barbara)  
**Anna Eklöf** (Linköping University)  
**Ute Jacob** (Universität Hamburg )  
**Hugh Possingham** (University of Queensland; Imperial College London)  
**Stefano Allesina** (University of Chicago)  
**Jessica Hines** (iDiv)  
**Aletta Bonn** (iDiv)  
**Ross Thompson** (U. Canberra)  
**Matthias Schröter** (iDiv)

## **Focal areas of discussion**

We primarily focused on two areas of discussion:

- 1) Can ecological network information inform management decisions for ecosystem services? What are the food-web consequences of management actions and/or threats to particular species?
- 2) How well does trait information predict whether a species provides ecosystem services, across a range of service types (regulating, provisioning, cultural)? Which traits are most informative?

## **Content of presentations:**

- 1)** Laura Dee: When do ecosystem services motivate protecting biodiversity?: the role of species interactions
- 2)** Jes Hines: New insights from integrating food web information with biodiversity-ecosystem function experiments
- 3)** Ute Jacob: Presentation of 12 marine datasets with food web, ecosystem service, and trait information

**Outputs and future directions:**

We are preparing several outputs, including a conceptual paper on the use of networks in ecosystem services science that we drafted during the workshop. We are currently revising it to submit this Summer. We also are preparing a dataset paper, with food webs that contain both trait and ecosystem service information. With these datasets, we are preparing analyses for a paper we will write during our second meeting to address our 2<sup>nd</sup> question (above).

We also discussed several future opportunities and grant applications to continue collaboration.

**Use of time during the workshop:** We split time between brainstorming in a bigger group and working in small groups drafting papers, code, and “smoothing” datasets.

**sDiv atmosphere:** The atmosphere of the working group was great, including the facilities, availability of coffee, and friendliness of the staff. We also enjoyed the walking tour through

## sDiv workshop

### “sErVICES”

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The workshop will take place from 16<sup>th</sup> to 20<sup>th</sup> March 2015 at **iDiv, Deutscher Platz 5, 04103 Leipzig** according to the following program:

<b>Monday 16<sup>th</sup> March</b>	
<b>8:30-10 am</b>	<b>Registration &amp; Workshop presentation</b> <ul style="list-style-type: none"> <li>• 5 minute introduction – your interests in this topic</li> <li>• Expectations</li> </ul>
<b>10 am</b>	<i>Coffee Break</i>
<b>10 – 1</b>	<b>Presentation and discussion of question 1 &amp; question 2</b>
<i>1:00pm</i>	<i>Lunch</i>
<b>2-3:30 pm</b>	<b>Presentation and discussion of question 3</b>
<i>3:30 pm</i>	<i>Coffee Break</i>
<b>4-5pm</b>	<b>Wrap up and assign groups and projects for the next day – discussion of topics from today and if there are others we would rather explore</b>
<i>7 pm</i>	<i>Dinner</i>



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<b>Tuesday 17<sup>th</sup> March</b>	
<b>9 -11 am</b>	<b>Discuss agenda for day, break out into smaller groups and work</b>
<i>11-11:30 am</i>	<i>Coffee Break</i>
11:30- 1 am	<b>Presentation and discussion of new topic (if one arises)?</b>
<i>1:00pm</i>	<i>Lunch</i>
2 – 3:30 pm	<b>Review of Perspectives piece and outline – what are interesting things that are coming out of this?</b>
<i>3:30 – 4 pm</i>	<i>Coffee Break</i>
<b>4 -5 pm</b>	<b>Tasks for next day</b>
<i>7 pm</i>	<i>Dinner</i>



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<b>Wednesday 18<sup>th</sup> March</b>	
9 am	<b>Tasks for day, breakout group work on tasks</b>
<i>11 am</i>	<i>Coffee Break</i>
11- 1 am	<b>Work in small groups</b>
<i>1:00pm</i>	<i>Lunch</i>
2 – 3:30 pm	<b>Presentations from progress in small groups, recap as a group</b>
<i>pm</i>	<i>Coffee Break</i>
3:30pm	<b>iDiv Public seminar talk – Hugh Possingham</b> <b>Field Trip</b>
<i>7 pm</i>	<i>Dinner</i>



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<b>Thursday 19<sup>th</sup> March</b>	
9 am	<b>Tasks for day, breakout group to work on tasks</b>
11 am	<i>Coffee Break</i>
am	
1:00pm	<i>Lunch</i>
pm	
3:30 pm	<i>Coffee Break</i>
3:30-5 pm	Recap as group – plan direction for last day
7 pm	<i>Dinner</i>



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<b>Friday 20<sup>th</sup> March</b>	
<b>9 am</b>	<b>Recap of things that need to be done and who will do them</b>
<i>11 am</i>	<i>Coffee Break</i>
am	Work
<i>1:00pm</i>	<i>Lunch</i>
pm	<b>Wrap up</b>
<b>3 pm</b>	<b><i>Coffee Break</i></b>
<b>4:30 pm</b>	<b>End of workshop</b>