

The Local SDGs Program



Nick Taylor | Project Coordinator | Deakin Burwood



nick.taylor@deakin.edu.au



www.localsdgs.org



@LocalSDGs



www.planet-a.earth

@_Planet_A

Communication

Vision

Future-Proof Australian Communities

Implement sustainable pathways by adaptive planning

Understanding local sustainability issues through research and community consultation

Demonstrating this knowledge establishes trust and more productive engagement activities

e.g. listening posts, meetings, workshops make for a more informed and inclusive process

Result in more socially robust pathways to sustainability

THE LOCAL SDGs PROGRAM

Charting Pathways Towards Achieving UN Sustainable Development Goals (SDGs) in Local Communities

Website Launched
July 2019



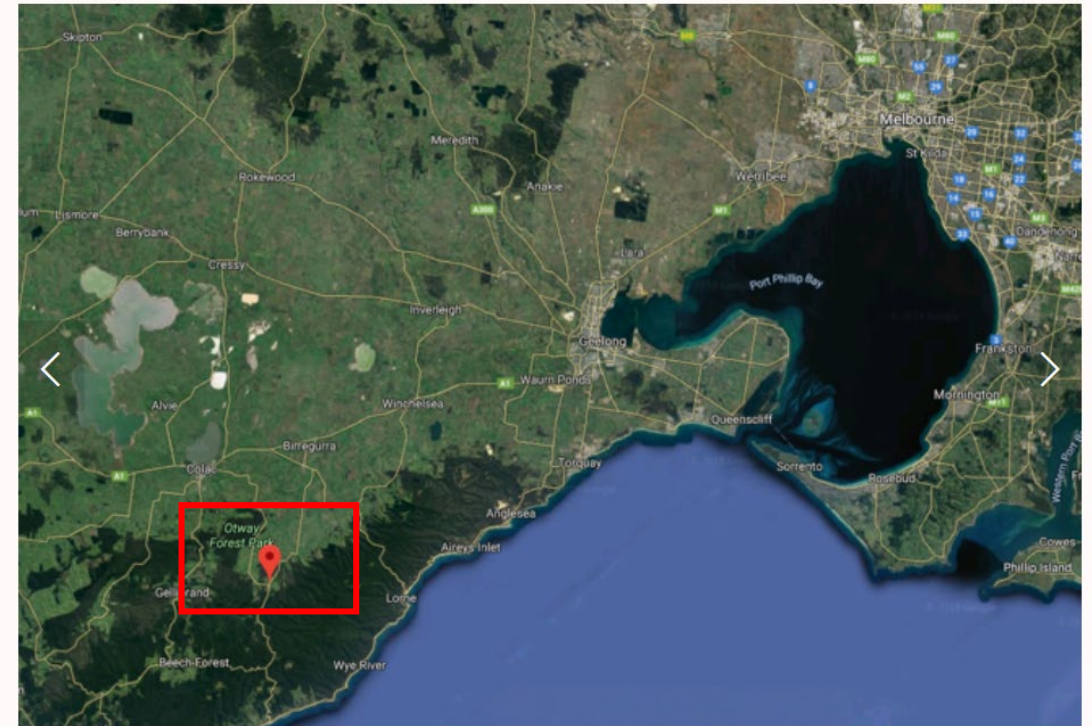
- To facilitate an informed and inclusive approach
- Collaborative learning platform to communicate our progress and outcomes to stakeholders
- Make our initiatives available to a wider audience
- Achieve our vision of the local SDGs framework being adopted by local communities Australia wide

About

Case Studies

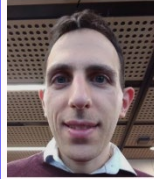


The Goulburn-Murray community—struggling with recent drought and water reform, and seeing opportunities for tourism and digital infrastructure—recently held a regional vision forum to discuss these pressing issues. Charting a pathway to sustainability that is robust to uncertainty is crucial to enable all local communities and environments to adapt, prosper, and thrive under future uncertainty.



The Forrest/Otways community acknowledges that they are 'highly susceptible to environmental, social and economic effects of climate change', and are 'a community in transition working to define a sustainable and resilient future'.

About



Dr Michalis Hadjikakou

Research Fellow
Centre for Integrative Ecology
Deakin University, Burwood

PhD Environment and Sustainability, University of Surrey
m.hadjikakou@deakin.edu.au

Dr Michalis Hadjikakou has technical expertise in sustainability assessment & modelling, with an interest in food systems, sustainable diets, and water resources management. He was previously a Postdoctoral and later Senior Research Associate in the Water Research Centre and Sustainability Assessment Program (UNSW) from 2014 to 2017. He has been a Research Fellow in the School of Life and Environmental Sciences at Deakin since 2017.



Prof Brett Bryan

Professor of Global Change, Environment and Society
Centre for Integrative Ecology
Deakin University, Burwood

Doctor of Philosophy, University of Adelaide
b.bryan@deakin.edu.au

Professor Bryan is a geographer and modeller working at the interface of nature and society. He has extensive experience in leading large, multidisciplinary research teams in delivering complex research projects. His expertise is in finding solutions for sustainability in land systems considering cross-cutting issues such as climate change, food security, nature conservation, water resources, energy, land degradation, and ecosystem services.

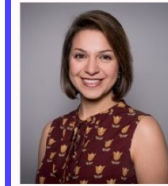


Dr Enayat A. Moallemi

Research Fellow
Centre for Integrative Ecology
Deakin University, Burwood

Doctor of Philosophy, The University of Melbourne
e.moallemi@deakin.edu.au

Dr Enayat A. Moallemi is a Research Fellow at Centre for Integrative Ecology, Deakin University. His research is focused on computational and participatory approaches for modelling socio-ecological systems under deep uncertainty. Enayat's research is applied to a range of areas – including renewable energy systems, sustainable mobility systems, and pathways to the Sustainable Development Goals – for informing robust decision making.



Dr Shirin Malekpour

Senior Lecturer
Monash Sustainable Development Institute
Monash University

PhD Environmental Sociology, Monash University
Shirin.Malekpour@monash.edu

Dr Shirin Malekpour develops and leads interdisciplinary research projects in the area of planning and governance for sustainable development. Shirin has recently developed a research program at MSDI on localising the Sustainable Development Goals (SDGs). The program tries to understand how the global SDG framework can be realised in different levels of society: in cities and urban spaces, in local and regional areas, and within sectors and organisations.



Dr Fjalar de Haan

Research Fellow
Centre for Integrative Ecology
Deakin University, Burwood

Doctor of Philosophy, Erasmus University Rotterdam

Email: f.dehaan@deakin.edu.au
fjalar@fjalar.org

Dr Fjalar de Haan has recently joined our team to work on the land-use futures project. He develops theory and other tools for understanding sustainability transitions and societal transformations. Modelling is one of his favourite tools and he would say that modelling helps to accelerate the interactions between theory and empirical work towards better understanding. Fjalar has an MSc in theoretical physics and a PhD in transitions research. Fjalar has been exploring the frontiers of transitions theory and modelling in a variety of contexts, as part of international, interdisciplinary teams, project-based with industry, and in curiosity-driven solo projects.



Environment
Land, Water
and Planning

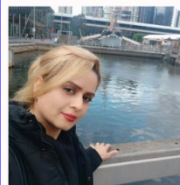


Nick Taylor

Project Coordinator
School of Life and Environmental Sciences
Deakin University, Burwood

Bachelor of Science (Honours), Deakin University
nick.taylor@deakin.edu.au

Nick is assisting with administration of The Local SDGs Program. He recently completed an honours degree at Deakin with a keen interest in climate change, environmental sustainability and science communication. He is a former secondary school French Teacher and has also studied Spanish and Chinese.



Reinaneh Bandari

PhD Candidate
School of Life and Environmental Sciences
Deakin University, Burwood

Masters Agricultural Engineering, University of Tehran
rbandari@deakin.edu.au

Reihaneh has an engineering background and worked on multiple projects. Her Local SDGs research topic focuses much more on applying robust decision making for sustainability under uncertainty techniques to the Goulburn Murray case study region. The issues in this region include reduced water availability, climate change, the decline of irrigated agriculture, recovery of environmental water, sustainable food production and livelihoods.



Katrina Szetey

PhD Candidate
School of Life and Environmental Sciences
Deakin University, Burwood

Bachelor of Science (Honours), Deakin University
szeteyka@deakin.edu.au

Katrina is focussing on the Forrest case study. Her academic background is in mathematics and ecology, but she also has community sector experience from five years working with a local Women's Health Service. Katrina is looking forward to meeting and working with local communities and stakeholders to develop pathways to sustainable futures in Forrest.

Engagement Activities 15

Communicate outcomes for an inclusive approach

Meetings

- Reviewed for a transparent planning process



Workshop and Seminar events:

- Announced
- Summaries and Outcomes
- Insight into the progress of our sustainability pathways



OUR SDGS IN ACTION SEMINAR

See photos and videos of cross-sector partners sharing local community sustainability initiatives.

[Read More →](#)

Feb 20, 2020

Publications 12+

- Journal articles and reports are accessible
- Demonstrates our research impact
- Opportunities for further collaborations



RAPID SDG PROGRESS POSSIBLE

Australia is slipping down the global sustainability rankings. Allen et al. show that it could improve if it wanted to but full SDG achievement will be tough.

[Read More →](#)

THE LANCET Planetary Health

COMMENT | VOLUME 3, ISSUE 6, PE240-E241, JUNE 01, 2019

Local Agenda 2030 for sustainable development

Enayat A Moallemi ✉ • Shirin Malekpour • Michalis Hadjidakou • Rob Raven • Katrina Szetey • Mehran Mahdavi Moghadam • et al. [Show all authors](#)

[Open Access](#) • Published: June, 2019 • DOI: [https://doi.org/10.1016/S2542-5196\(19\)30087-7](https://doi.org/10.1016/S2542-5196(19)30087-7) [Check for updates](#)

A new volume edited by Enayat A. Moallemi and Fjalar J. de Haan for the **Routledge Series in Sustainability Transitions** edited by J. Schot, J. Grin and J. Rotmans.



Modelling Transitions Virtues, Vices, Visions of the Future



MODELLING TRANSITIONS VIRTUES, VICES, VISIONS OF THE FUTURE

Edited by
Enayat A. Moallemi and Fjalar J. de Haan



1. Prologue
2. Transitions modelling: Status, challenges and strategies
3. Making it a Science – Aspirations and Apprehensions of Transitions Research
4. Modelling and social science: Problems and promises
5. Modelling the Multi-Level perspective: The MATISSE agent-based model
6. Considering actor behaviour: Agent-based modelling of transitions
7. System Dynamics Methodology and Research: Opportunities for Transitions Research
8. Socio-technical representation of electricity provision across scales
9. Models as scenario tools for developing robust transformative plans
10. Participatory modelling in sustainability transitions research
11. Data-Driven Transitions Research: Methodological Considerations for Event-Based Analysis
12. Exploratory modelling of transitions
13. Epilogue - Quo Vadis Transitions Modelling?

Local Agenda for Sustainable Development Goals (SDGs) is a key element of the global economic, social, and environmental development aspirations of UN member states. The achievement of such an integrated agenda requires a focus on public health and social

Resources

By-product of our publications

- From Internet & scientific works: freely accessible
- Summaries & links for researchers to model pathways to SDGs
- Featured 6 key resources incl: 25 SDG initiatives



SDG TOOLS AND FRAMEWORKS

Here you can use links and summaries to discover further SDG tools and frameworks.

[Read More →](#)

Sep 30, 2019



LOCAL SUSTAINABILITY INITIATIVES

This is a selection of local sustainability initiatives being networked globally with links provided in each title.

[Read More →](#)

Aug 5, 2019

SD Introduction and E-Book

Click the link below to learn more about System Dynamics with Dr. Erik Pruyt and access to his videos and E-Book :

Small System Dynamics Models for BIG Issues: Triple Jump towards Real-World Dynamic Complexity

[LEARN MORE](#)

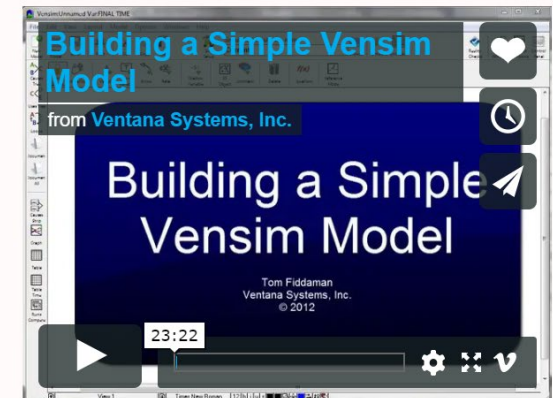
Vensim Models

vensim.com



Building a Simple Vensim Model

A quick tutorial on building and running a new Vensim model using industrial strength simulation software for improving the performance of real systems. Vensim's rich feature set emphasizes model quality, connections to data, flexible distribution, and advanced algorithms. Configurations for everyone from students to professionals.



News

Announcements of key events

- New Publications + Resources
- Meetings and Workshops
- Awards and Seminars
- Conferences



FORREST VISIONING WORKSHOP

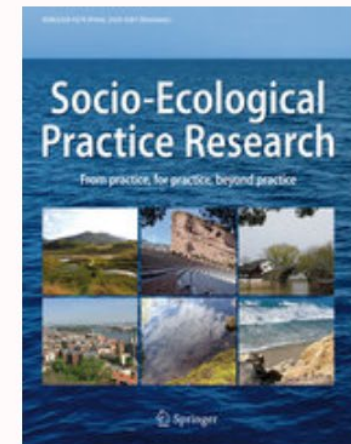
We held a Visioning and Ideas Workshop with the Forrest community to enable them to articulate a shared vision for Forrest in 2030.

[Read More →](#)

Nov 23, 2019



Our team is organising a symposium at **Eco-Summit 2020** on the Gold Coast from 21 - 25 June 2020. Eco-Summit is a major academic and policy event that covers a wide range of topics, such as climate change adaptation, socio-ecological modelling, sustainability and resilience, amongst other areas. We are privileged that Eco-Summit is coming to Australia and the opportunity it provides to discuss and promote our SDGs research. This will enable us to communicate this research in collaboration with scholars with whom we have common areas of interest.





Home

Explore

Notifications

Messages

Bookmarks

Lists

Profile

More

Tweet

- Our Activities
- Research outcomes
- Local & Global
SDG News



The Local SDGs Program

182 Tweets



Edit profile

The Local SDGs Program

@LocalSDGs

A #Deakin Initiative: Developing a general framework for local sustainability, future-proofing Australian communities @IanPotterFdn @MonashMSDI @DELWP_Vic #sdgs

Australia localsdgs.org Joined June 2019

376 Following 171 Followers

Tweets

Tweets & replies

Media

Likes

You Retweeted

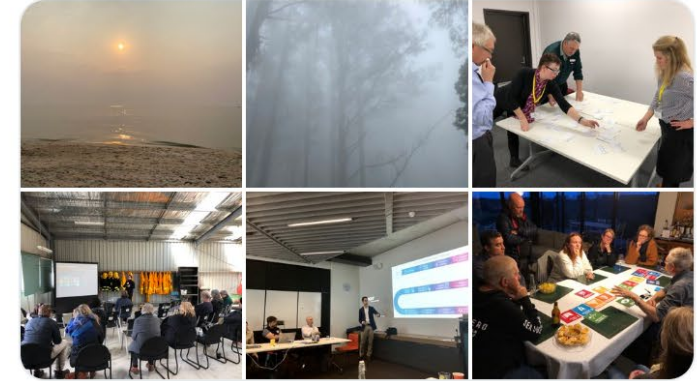


SDG2030 @SDG2030 · 5h



SDGs

Search Twitter



You might like



Greg Jericho
@GrogsGamut

Follow



Kevin Whelan
@ProfWhelan

Follow



kylor kerns
@kylorkerns

Follow

Show more

Trends for you

Trending in Australia

#stopbullying

21.2K Tweets

SDG Connections

- ❖ Our initiatives on other SDG websites
- ❖ Enrich our research and outcomes



OUR PROJECT FEATURED ON THE AUSTRALIAN SDG WEBSITE

See [our project](#) and many others featured on The Australian SDG website, developed by the Global Compact Network Australia (GCNA).

[Read More](#) →

Oct 7, 2019

LOCAL 2030
LOCALIZING THE SDGS

HOME ABOUT TOOLS LIBRARY V

LOCAL SDGs
A DEAKIN INITIATIVE

BR

Orga
Loca
Tota

Countries We Work in
› Australia

Languages We Work in
› English

SDGs We Tackle

OUR CALL TO ACTION
Discover what initiatives and resources local communities can adopt to help implement the SDGs at The Local SDGs Project website.

OUR ACTIONS

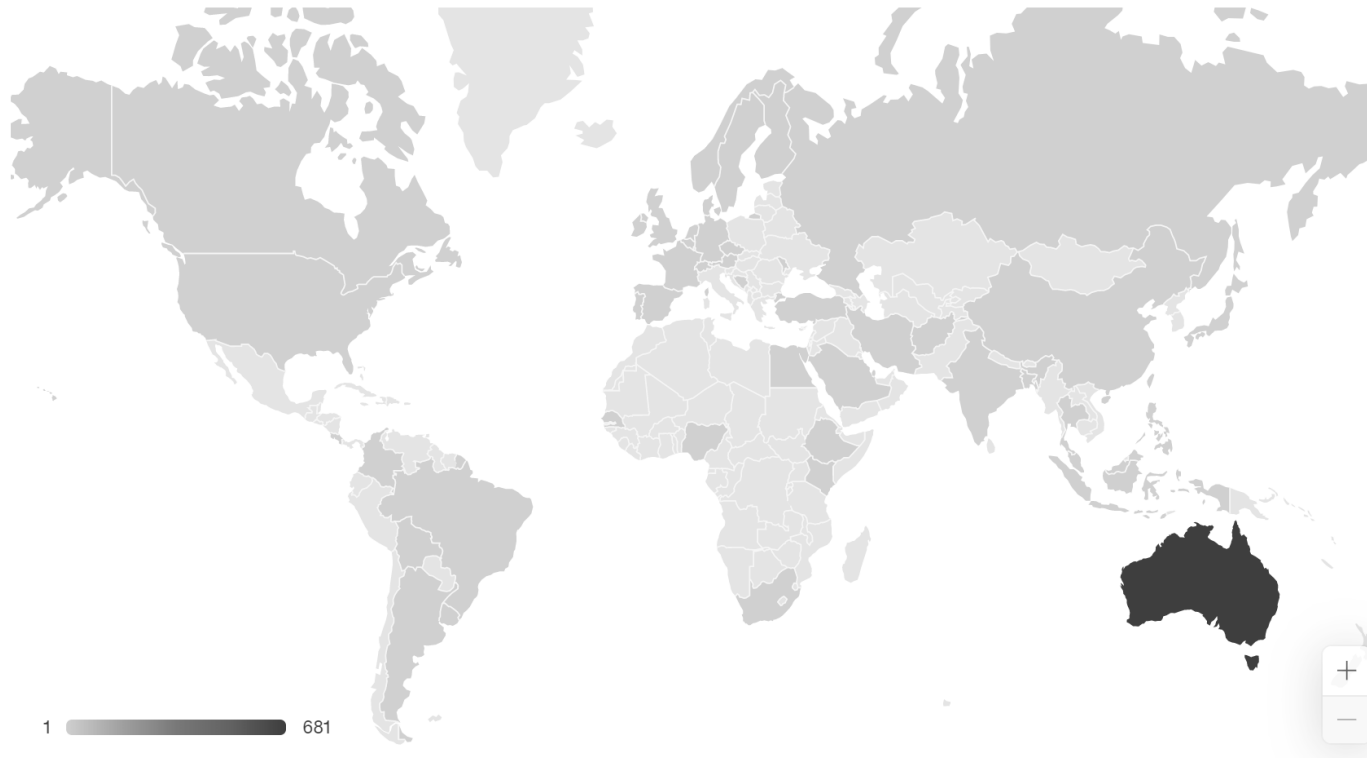
Deakin School of Life and Environmental Sciences researchers [Professor Brett Bryan](#), Professor of Global Change, Environment and Society, and [Dr Enayat A. Moallemi](#), Research Fellow in Human-Natural Systems Modelling, are leading the [Local SDGs Program](#). Collaborators on the project include the Monash Sustainable Development Institute and The Ian Potter Foundation.

The Local SDGs Program was launched in January this year and aims to develop robust pathways towards future-proofing Australian communities, enabling people and nature to prosper and thrive. Currently the project team is



SDG Connections

- ❖ Local SDGs Program website visitors July to Dec 2019
- ❖ Build global network to assist all in delivering SDGs



▶	AU	Australia	681 (73.9%)
▶	US	United States	45 (4.89%)
▶	NL	Netherlands	26 (2.82%)
▶	RU	Russia	20 (2.17%)
▶	ID	Indonesia	18 (1.95%)
▶	DK	Denmark	15 (1.63%)
▶	DE	Germany	9 (0.98%)
▶	CA	Canada	8 (0.87%)
▶	GB	United Kingdom	8 (0.87%)
▶	IE	Ireland	7 (0.76%)
▶	JP	Japan	7 (0.76%)

2020 Communication

Aim

To facilitate best project outcomes:

1. Engagement with stakeholders and community for inclusion and feedback
2. Expand involvement with publications and local and international conferences
3. Communicate our research initiatives
4. Build global network of researchers
5. Blog with guest contributors
6. Submit articles to media outlets

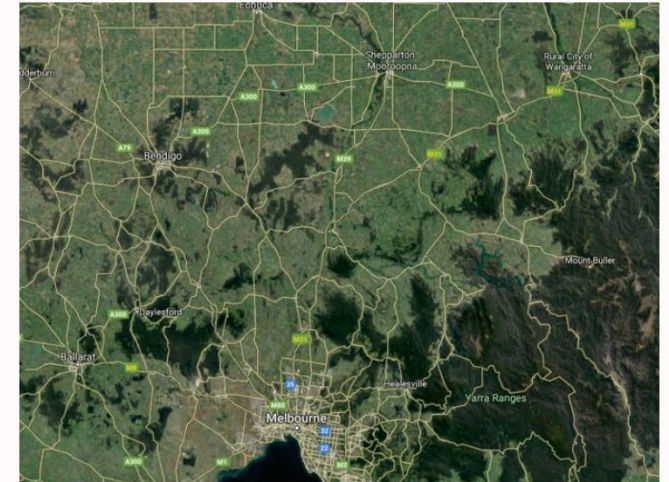
*Drought, bushfire, flood, hail, and dust:
local action the way forward for
sustainability*

7. Surveys

Sustainable Development Goals Priority in Goulburn-Murray

by Reihaneh Bandari

The United Nations adopted the 2030 Agenda for Sustainable Development in 2015. It consists of 17 goals and 169 targets that range from environmental, social, and economic aspects. The aim of this project is **downscaling of the SDGs at a local level to develop a general framework for future-proofing the sustainability of local communities in regional Australia** such as the Goulburn-Murray irrigation district.



Goulburn-Murray region north central Victoria

Contextual Analysis

For reaching this goal, we first go through the literature review and try to code

Thank you

谢谢
Xie Xie

Merci

Gracias

متشکرم
moteshakeram

The Local SDGs Program



Nick Taylor | Project Coordinator | Deakin Burwood



nick.taylor@deakin.edu.au



www.localsdgs.org



@LocalSDGs



www.planet-a.earth

@_Planet_A