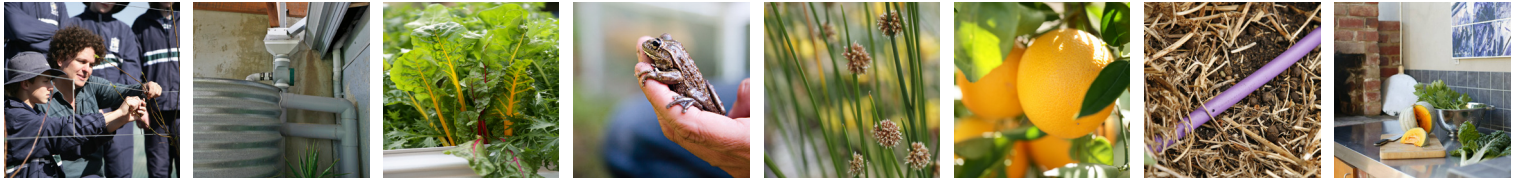


JOSH BYRNE & ASSOCIATES

Capacity Statement



Josh Byrne & Associates (JBA) Pty Ltd provides a range of professional services and specialist expertise integrating the fields of environmental science, landscape design, sustainability policy, community development and environmental communication. The company is based in Fremantle, Western Australia and operates nationally.

KEY JBA PROJECT PERSONNEL

JOSH BYRNE

BSc (Hons) (Env Sci)

Dip Hort (Landscape & Amenity)

PhD Candidate – Murdoch University

Director

Josh Byrne has a unique and integrated approach to landscape design, community development and environmental communication projects, which combines his academic background in Environmental Science with over 15 years of hands-on experience in the landscaping, horticultural and media industries.

Josh is recognised as a national leader in urban water management and sustainable landscaping, and is well known for his media work as a television presenter (on ABC TV's *Gardening Australia*) and published author (of the best-selling book *The Green Gardener*). Josh has received several awards for his achievements in this area (refer to the Awards section), and is an Ambassador and Patron for a number of organisations and programs (refer to the Ambassadorial and Patronage Roles section).

Prior to establishing his own consultancy firm, Josh spent five years working in research and development with the Environmental Technology Centre (ETC) at Murdoch University, which is an internationally-renowned demonstration site recognised under the United Nations Environment Program. Josh was the principal designer and site manager overseeing the development of the landscape and environmental technologies supporting the Centre.

During that time Josh also worked as part of the Remote Area Developments Group (RADG), a research and development organisation based at Murdoch University which was established to investigate solutions to pressing environmental health and sustainability issues facing remote indigenous communities in Western Australia. Josh has worked in several remote communities in regional Western Australia to implement permaculture and horticultural projects and deliver training and capacity-building programs.

Through his work with the ETC, RADG and now his own consultancy firm, Josh has gained invaluable experience in a wide range of environmental technologies and their application in the areas of energy conservation, water and waste management, sustainable housing and food production for urban as well as rural and remote settlements. Josh continues to have strong links with Murdoch University where he is engaged in teaching and research in the field of water conservation strategies for sustainable urban landscapes.

Josh also has extensive experience in community education and consultation, which he sees as key processes in maximising the understanding, benefits and ongoing sustainability of a project. Josh's experience in sophisticated community environmental education and capacity-building programs has confirmed his belief that such programs are critical in achieving projects that are sustainable into the future.

PERSONNEL

Environment • Design • Communication

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po box 1866, fremantle wa 6959
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ABN 20 116 221 820

LANDSCAPE CONSULTANCY & DESIGN

MORGAN GILLHAM Landscape Manager

Morgan has completed studies in agriculture and electrical trades with specialist expertise in Irrigation. He has been employed as both Operations Manager and Project Manager of various large commercial landscape firms where he has been responsible for all facets of commercial landscape projects from design through to construction. His career within the commercial landscape and civil sectors spans 17 years and has culminated in broad-based expertise in the land development industry.

Morgan has been involved in the effective project management of high quality large scale commercial landscaping and construction projects in Perth and its regional communities, which makes him a perfect fit with JBA. His strengths include the design, project management and construction of large playgrounds and sophisticated central controlled irrigation systems.

He has a particularly strong interest in the promotion, encouragement and development of water, power and cost efficient "green" developments throughout Western Australia; assisting regional communities with training for the long term benefits of those communities; and the building of sound, appropriate infrastructure that will support and promote the development of communities well into the future.

email: morgan@joshbyrne.com.au

BRONWYN SNELLING BSc (Env Sci) Project Administrator

Since completing her degree in Environmental Science at Murdoch University, Bronwyn has held a variety of roles for several large commercial landscape design and construction firms in WA.

Bronwyn brings detailed knowledge and experience of the commercial landscape and construction industries, including landscape design, project administration, contract administration and environmental science, specialising in safety auditing systems and specification documentation.

She is proficient in AutoCAD, Aconex project collaboration and online management software, bringing together her creative skills and technical acumen.

email: bronwyn@joshbyrne.com.au

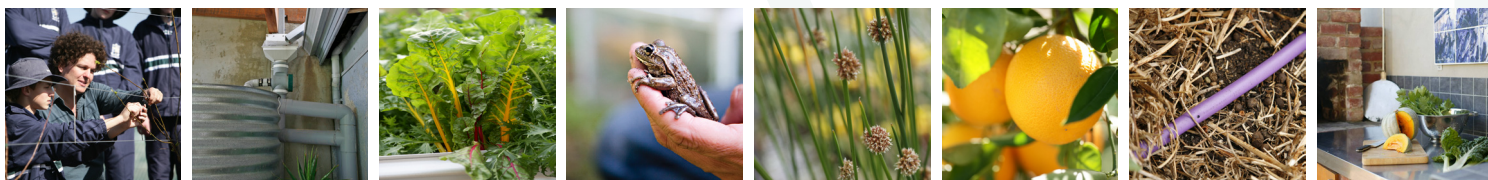
ROBYN COOK B Landscape Arch (Hons) Landscape Architect

Robyn graduated with honours from the University of Western Australia in 2006. Since then, she has worked in both public and private sectors, in Perth and England, which has given her a well-developed knowledge base. She has worked on a wide range of projects from a large scale hospital redevelopment, to public open spaces and small roof gardens.

Robyn's strength lies in administering projects from conceptual design ideas to tender and implementation on site. She is particularly keen on promoting recycling and reuse of materials, roof gardens, bio retention features and water sensitive initiatives.

email: robyn@joshbyrne.com.au

PERSONNEL



AILSA GRIEVE

B Landscape Arch (Hons)
Landscape Architect

Prior to joining the JBA team, Ailsa worked in a National Planning and Landscape Architecture office in Perth, having the opportunity to work on major land developments in China, Dubai and throughout Western Australia. She was also involved with Growing Communities WA creating a networking structure to support existing and proposed community gardens.

Ailsa completed her Bachelor of Landscape Architecture degree at University of Western Australia (UWA), where her honours focused on the design of 'wild' spaces within urban fabrics and the increased need for community participation in design and landscapes that function beyond the realm of human control. She is a Landscape Design Studio lecturer with UWA, and has particular skills and expertise with regards to design dexterity in the mediation between people and their surrounding environments.

Ailsa is proficient in AutoCAD and the Adobe Creative Suite, integrating these tools with hand drawings to convey master plan concepts and design details with sensitivity and accuracy.

email: ailsa@joshbyrne.com.au

AARON BOULTBEE

Architectural Draftsperson

Aaron has developed exceptional drafting and design skills from his experience working as an architectural draftsperson for various building and development companies in WA and Queensland over the past decade.

He has a passion for sustainable design and strong skills in ecovillage, urban and permaculture design, civil documentation, building design guidelines, fire and environmental management, and documentation coordination. Aaron's previous roles have focused on sustainable developments, modular housing, eco-retrofits of buildings, as well as organic, biodynamic and permaculture gardening and design.

email: design@joshbyrne.com.au

ENVIRONMENT & SUSTAINABILITY CONSULTANCY

STEWART DALLAS

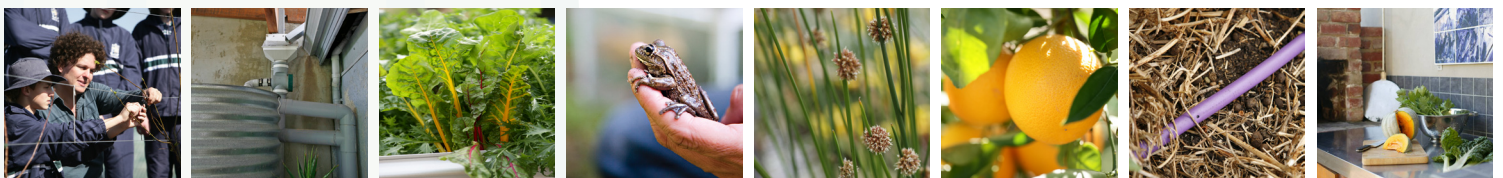
BEng (Civil)
BSc (Hons) (Env Sci)
PhD – Murdoch University
Environmental Engineer
Environment & Sustainability Manager

Stewart Dallas is a qualified civil engineer who has project managed a broad range of civil and structural projects. He holds a PhD in Environmental Science in the field of Ecological Engineering and has over 15 years experience in the design, construction and management of various water and wastewater related projects. He has experience both nationally and internationally in the design and application of appropriate environmental technologies with a focus on localised wastewater reuse.

Recent projects in Perth have focused on bringing alternative water supply schemes to service non-drinking water requirements for developments at a range of scales. These include the pioneering Grove project in Peppermint Grove to large-scale urban developments, including the Wungong Urban Water Project and Alkimos-Eglinton land developments.

Stewart is able to bring his training and experience in Civil Engineering along with his research capability in Environmental Science to create innovative solutions in the area of integrated water management. Stewart is familiar with the regulatory environment for land development, is abreast of the evolving legislation pertaining to water and wastewater standards and guidelines for water recycling and reuse, and is committed to the pursuit of meaningful sustainable development.

email: stewart@joshbyrne.com.au



JOHN HUNT

B Eng (Mech)
BSc (Hons) (Env Sci)
PhD Candidate – Murdoch University
Water Systems Engineer

John has substantial experience and knowledge in water systems design and modelling. As a hydraulic engineer for a prominent land developer in Perth, John was involved in the design, documentation and project management of hydraulic systems for five urban villages. This included work on water supply networks, sewerage networks, drainage, irrigation and wastewater treatment. During this time he completed an honours dissertation examining the integration of water sources and uses at the land development scale. This work was recognised in the AWA Undergraduate Water Prize 2005. John's subsequent work for his PhD thesis was also awarded second place in the International Huber Technology Prize 2008.

Given his engineering background and strong understanding of water systems, John has been a regular guest lecturer at Murdoch University teaching subjects including water sensitive urban design, rainwater harvesting, water auditing and water modelling.

email: environment@joshbyrne.com.au

KELLIE MAHER

BSc (Hons) (Env Sci)
PhD – Murdoch University
Restoration Ecologist

Kellie is a restoration ecologist with a background in applied research and consultancy. She has experience in the restoration and management of both terrestrial and aquatic ecosystems and has worked within academic, corporate and government sectors. Kellie's key interests include ecosystem restoration, conservation management and landscape ecology where she has extensive experience in fieldwork management, data analysis and reporting to project stakeholders and government regulators.

In addition to her technical and research capacity, Kellie has significant skills in project planning, team management and budget control.

email: environment@joshbyrne.com.au

COMMUNICATIONS, MEDIA & EVENTS

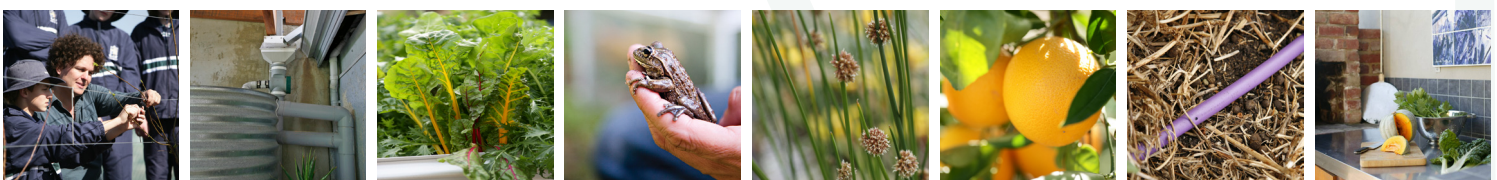
YVETTE CANET-GIBSON Communications Manager

Yvette has over 20 years experience in managing marketing and communications events, public and media relations activities, production of multi-channel print, web and direct marketing campaign collateral, and providing project support. She studied Production Management at AFTRS (Australian Film, Television & Radio School), which led to a 10 year career in film, commercial television, advertising and graphic design in Sydney.

She has held a variety of positions, including Writers' Festival Coordinator for the Festival of Perth (now known as the Perth International Arts Festival), Events Manager and Financial Controller in both the corporate and not-for-profit sectors, Production Coordinator in multimedia and broadcasting, as well as Marketing and PR roles in the education sector.

Yvette brings strong organisational, communications, graphic design and art skills to the JBA team. She is highly proficient in the use of Adobe's Creative Suite (cross-media), CRM, project management, business and finance software.

email: yvette@joshbyrne.com.au



COMMUNITY DEVELOPMENT

DAVINA BOYD

BSc

GradDip. (Env Sci)

MPhil

PhD – Murdoch University

Research & Community Development

Davina has over 10 years experience in the interrelated areas of community and institutional capacity development, community consultation and engagement, and education and research. In addition to recently completing her PhD on capacity development, Davina's professional roles have included working with the Institute for Global Environmental Strategies (IGES) and United Nations Environment Programme International Environmental Technology Centre (UNEP-IETC) in Japan; conducting research for the WA Centre of Excellence in Climate Change, Woodlands and Forests; coordinating and implementing community consultation programs in the mining and minerals sector; managing capacity development projects in Indonesia and East Timor; and lecturing and coordinating units at Murdoch University's School of Sustainability and School of Environmental Science.

Davina's diverse experience means that she has skills and expertise in project management, facilitation, community engagement and research. This is combined with a strong understanding of sustainability and environmental science principles and the ability to communicate these with diverse stakeholder groups.

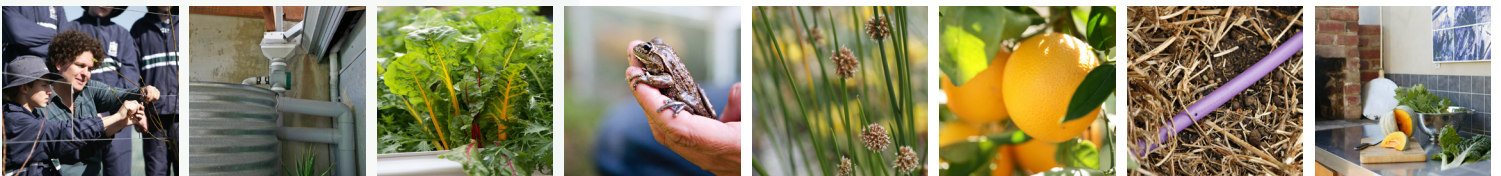
email: davina@joshbyrne.com.au

ADDITIONAL EXTERNAL EXPERTISE & SPECIALIST SUB-CONTRACTORS

JBA can also bring in additional external expertise and engage specialist sub-contractors to a project as required.

JBA already has established arrangements in place with a range of leading organisations that can be drawn upon as needed.

PERSONNEL



RECENT PROJECTS & EXPERIENCE

LANDSCAPE CONSULTANCY & DESIGN

Commercial

- **Perth Cultural Centre (PCC), Northbridge**

Landscape design of the PCC as part of EPRA's activation program to transform this important CBD precinct into a safe, inviting and unique space. Highlights of the project include creating an Urban Orchard and converting an existing water feature into a freshwater wetland. Other key elements involve the rejuvenation of garden beds with diverse WA plant species, restoring rather than replacing street furniture (to reduce waste), and using salvaged and recycled materials in the hard landscaping works wherever possible. The innovative nature of the project has required a highly collaborative approach with the client and across all disciplines of the consultant team. JBA's landscape design role has also extended to providing sustainability and community engagement consultancy services. This has been valuable for ensuring the appropriate integration of other features of the activation program, such as lighting upgrades, signage and way finding treatments, as well as creating opportunities for strong community involvement and participation in the PCC space.

- **Ocean Gardens Village, City Beach**

Landscape consultancy and design services for the project involved revitalisation of the entire grounds, including recreational areas, courtyard spaces, café gardens, entry statement and internal streetscapes. Key parameters include a waterwise and locality specific landscape design intent, balanced against the wishes and desires of elderly residents with a range of physical capacities and emotional attachments to particular plant species and garden types. The project has also included comprehensive consultation throughout the staged design process, beginning with the stakeholder review of a graphically presented concept plan.

- **Square One Smart Apartments, North Perth**

Water management consultancy and landscape design services for Colgan Industries included technical design input with regards to centralised rainwater harvesting for landscape irrigation and non-portable internal uses, as well as design and documentation of both hard and soft landscaping elements. Key landscaping themes include communal productive gardens and selection of low impact materials.

Community

- **Onslow Community Garden, Onslow**

Design of a sustainable community oriented landscape for the Shire of Ashburton focused on the integration of productive gardens, including bush tucker species and tropical food forests, with the aim of developing community skills in food production and organic gardening while providing a focal point for community gatherings and cultural celebration. The staged approach adopted for the project included on-site consultation with community groups and stakeholders, site analysis, detailed design and documentation.

- **Brighton Community Garden, Brighton**

Co-design of a community garden for the Satterley Property Group. JBA's role has been to provide specialist advice to Satterley's community development team, who managed the community engagement phase of the project, combined with design support to the Brighton Estate landscape architects, McNally Newton (MNLA). During the design phase, JBA's main scope has involved concept plan development, plant species selection and water management advice. The project represents the first developer funded community garden in WA.

- **Swan Valley Anglican Community School, Aveley**

Landscape design and project management of the "Garden Classroom", an inspiring project which involved the creation of a 2000m² integrated educational facility for primary and secondary-aged school children, including an outdoor classroom, wetland, nursery, poultry run, and food production garden.

Residential

- JBA specialises in designing residential gardens that are individual, beautiful, and productive environments. Our waterwise and climate-sensitive design approach focuses on integrating regionally suitable plants, appropriate materials, organic food production and waste recycling. Past residential projects include three entries in [Australia's Open Garden Scheme](#) (with record-breaking attendances and strong media coverage at each), assisting in the design of public demonstration gardens, and preparing landscape guidelines for major housing developments – please refer to JBA's Landscape Design Folio for additional information.

ENVIRONMENTAL & SUSTAINABILITY CONSULTANCY

- **The Grove: Leading, Learning, Living project**

Design and technical development of leading-edge landscape water-based initiatives for the new Town of Cottesloe, Shire of Peppermint Grove and Town of Mosman Park Library, Council Offices and Community Centre. These initiatives include the capture of rainwater to meet 100% of internal water demand; on-site treatment of stormwater flows to improve water quality prior to infiltration into the aquifer (by removing gross pollutants and reducing hydrocarbons and nutrients); and on-site separation, treatment and re-use of greywater (showers and hand basins), brown water (toilets as well as kitchen) and yellow water (urinals).

- **Port Bouvard Limited (PBL) Gidgegannup project**

Environmental / sustainability consultancy for a 2,000 lot residential village that was planned in Perth's north-eastern hills. As PBL's sustainability consultant for the Gidgegannup project, in addition to a communication and community education role, JBA's technical role included reviewing/providing input on: the built form approach for all housing and other buildings within the development; the landscaping approach for all POS, streetscape and other communal areas within the development; as well as the building and landscape design plans/specifications for the various types of house and land packages.

- **Living Smart Household Sustainability program**

Review and development of key information resources for the **Living Smart Household Sustainability Program**, a major WA State Government initiative which commenced in January 2008 and moved into a second stage in November 2009 as part of the **Perth Solar City** project.

COMMUNICATIONS, MEDIA & EVENTS

- **The Grove: Leading, Learning, Living project**

The Grove's new Library, Community Centre and Council Offices makes the Town of Cottesloe, Shire of Peppermint Grove and Town of Mosman Park sustainability pioneers on a national scale. A key aim of this 'lighthouse' project has been to not only showcase sustainable technologies, but to also maximise educational and behavioural change impacts in the local community and tell a story about what is being achieved. Alongside its technical involvement, JBA has a lead role in the project's environmental communication program which commenced in 2009. JBA's focus has been to provide a consistent and coherent strategy for positioning the project as an iconic building which not only incorporates innovative sustainable design features, but importantly, will also support the community and provide opportunities for current and future generations to learn and grow. This has been achieved through the provision of key communication services and information resources, and by creating a vibrant and inviting community hub with events and activities which activate local interest/engagement and foster learning and discovery. The Virtual Tour "A Great Place To Grow" was produced by JBA and can be viewed at: <http://thegroveprecinct.com/2011/04/02/the-grove-virtual-tour/>.

- **Perth Cultural Centre (PCC)**

The **PCC** has an important symbolic position in Perth as the home of the city's premier cultural institutions. In addition to its landscape design role, JBA has been engaged as the sustainability and community engagement consultants for the short-term activation program, transforming this important CBD precinct into a safe, inviting and unique space. JBA's focus has been to ensure a strong sense of inclusiveness and participation in the project across a broad sector of the community, which includes a range of activities such as Urban Orchard planting days, Urban Wetland biodiversity workshops and public lecture events.

- **Water Corporation North West Behaviour Change H₂ome Smart program**

JBA's primary role in this collaboration has been to utilise Josh Byrne's public profile to generate interest in the **H₂ome Smart** program through a combination of media and event activities. This has been achieved by ensuring all activities are integrated with the Corporation's Communication Plan for the project, focusing on residential properties in three geographical regions in the North West of Western Australia (the West Pilbara district, East Pilbara district and the Kimberley District). An important consideration for JBA has been the uniqueness in cultural diversity and Aboriginal heritage for these areas, with many towns maintaining 'town based reserves'.

COMMUNICATIONS, MEDIA & EVENTS (continued)

• Garden Industry Alliance (GIA)

JBA was engaged to provide consultancy services relating to communicating pressing industry concerns in light of the introduction of one day per week watering restrictions for Spring 2010 (1 September – 30 November 2010) and the potential for these to be maintained during the summer period (1 December 2010 – 28 February 2011). There has been significant industry concern about the potential impact that extending the one day per week irrigation schedule will have on gardens in Perth, and the associated detrimental effects on the urban environment, industry jobs, real estate prices and general community well being. JBA's scope included the development of a Joint Position Statement for the GIA, and the design and implementation of a strategic Communications Plan to raise awareness of these issues within the community.

PROFESSIONAL ASSOCIATIONS

- UDIA (Urban Development Institute of Australia)
- AWA (Australian Water Association)
- LIAWA (Landscape Industries Association of Western Australia)
- IAL (Irrigation Australia Limited)
- HAL IAC (Horticulture Australia Limited's Industry Advisory Committee for the Nursery and Garden Industry)
- HMAA (Horticultural Media Association Australia)
- PAWA (Permaculture Association of Western Australia)

AMBASSADORIAL & PATRONAGE ROLES

- Ambassador for the WA State Government's Living Smart Household Sustainability Program, which forms part of the Perth Solar City initiative
- Ambassador for Smart Approved WaterMark program
- Ambassador for Department of Sport and Recreation's Nature Play initiative
- Ambassador for Department of Transport Road Safety Council's Slow Down Enjoy The Ride initiative
- Ambassador for The Grove: Leading. Learning. Living project
- Ambassador for National Permaculture Day
- Patron for Sustainable Gardening Australia (Western Australia)
- Patron for the Conservation Council of WA

AWARDS

2011

AWA National Young Water Professional of the Year Award - Josh Byrne
LIAWA Awards of Excellence Winner - Sustainable Landscape Residential - Josh Byrne's Garden
LIAWA Awards of Excellence Winner - Sustainable Landscape Commercial - PCC Precinct
LIAWA Awards of Excellence Winner - Best Special Feature Plants - PCC Urban Orchard

2010

AWA WA Young Water Professional of the Year Award - Josh Byrne

2009

HMAA Horticultural Media Association Laurel (Environment) for outstanding communication in television - Josh Byrne

2007

HMAA Horticultural Media Association Laurel for outstanding communication in television - Josh Byrne

2006

HMAA Horticultural Media Association Anita Boucher Young Achiever Award - Josh Byrne

JOSH BYRNE & ASSOCIATES (JBA)

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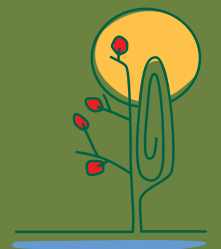
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