

AWP Knowledge Strategy 2018-2023

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Table of Contents

- Introduction..... 1
 - The Australian Water Partnership 1
 - Strategic Alignment 1
- Purpose and Objectives 2
- Knowledge Framework & Knowledge Products..... 3
 - The Australian Bookcase 3
 - The International Bookcase..... 5
- Eight Knowledge Entry Points 6
- AWP Knowledge Hub 12
- Knowledge Sharing and Exchange..... 12
 - Mechanisms for Sharing and Exchange..... 12
 - Target Audiences 13
- Operational Considerations 13
 - Quality Control 13
 - Contracting..... 13
 - Reporting..... 13
 - Implementation: Timing and Budget..... 14
- Way Forward 14
- Annex 1. AWP Knowledge Products 15
 - The Australian Bookcase: Existing 15
 - The International Bookcase: Existing 18

Introduction

The Australian Water Partnership

The Australian Water Partnership (AWP) was established through Australia's aid program in May 2015 under a four-year, \$20 million grant agreement between eWater Ltd (EWL) and DFAT. The program has been extended with a \$24 million grant initiated in October 2018 and extending to 30 June 2023.

AWP was conceived to respond to the water management needs of developing countries in the Indo-Pacific and beyond, specifically on topics where Australia has specialist expertise in short supply globally. Growing demand for increased collaboration in the water sector from Governments and multilateral organisations in the Indo-Pacific region was an important driver for establishment of the AWP.

Drawing on previous learning and experience (Knowledge Framework Paper, Knowledge Product Audit, and Kini Workplan), AWP has developed a Knowledge Strategy that is directly aligned with the AWP Strategic Plan (2018-2023) and provides a mechanism for the operationalisation of AWP's Vision and Mission. It is supported by the Investment Plan, Events Plan, Partnerships Strategy and the Communications Strategy.

AWP VISION: Enhanced sustainable management of water in the Indo-Pacific and beyond

AWP has the vision to support sustainable water resource management and water security in the Indo-Pacific region and beyond. This will be achieved by drawing on the breadth and depth of the Australian water sector across government agencies, the private sector, universities, consultancies, and Not-for-Profit organisations, and continuing to grow and learn through implementation.

AWP MISSION: Through trusted partnerships, mobilise Australian water sector expertise to address demand from the Indo-Pacific and beyond, and:

- become a trusted adviser to governments and multilateral organisations;
- provide a world-class hub for information, modelling and capacity development for Australian and international water sectors;
- share resources, information, and lessons learned; and
- maximise Australia's contribution to the achievement of the Sustainable Development Goals.

Strategic Alignment

This Knowledge Strategy specifically aligns with Strategic Direction 1 from the AWP Strategic Plan and Outcome 1 articulated in the AWP Theory of Change (ToC).

Strategic Direction 1:

Enhance sharing of knowledge and tools for sustainable water management.

ToC Longer Term Outcome 1:

Improved water planning, allocation and governance by governments, industries and civil society.

Purpose and Objectives

PURPOSE

The primary purpose of this Knowledge Strategy is to describe AWP's approach to knowledge sharing and exchange, that articulates and promotes sustainable water management. It does this through a number of objectives:

KEY OBJECTIVES

- 1) Develop a well-designed 'Knowledge Framework' that captures and readily enables the sharing of:
 - a) Australia's comprehensive water management knowledge and experience; and
 - b) The international experience from AWP funded and related activities and lessons learned.
- 2) Develop and deliver high quality Knowledge Products to populate the 'Knowledge Framework' and the 'Knowledge Entry Points' described in this strategy.
- 3) Configure Australia's water knowledge in a way that is accessible and relevant for our In-country and International Partners in the Indo-Pacific region and beyond.
- 4) Facilitate and promote all AWP Knowledge Products actively through varied knowledge sharing and exchange channels to appropriate audiences with the aim of enhancing sustainable water management in the Indo-Pacific region and beyond.

Knowledge Framework & Knowledge Products

The Knowledge Framework comprises two Bookcases: Australian and International. These Bookcases will be populated with relevant AWP Knowledge Products¹ that reflect Australia's water management experience and expertise, and the international experience from AWP funded and related activities.

The Australian Bookcase

The Australian Bookcase comprises three tiers, each providing different resolutions of detail on various aspects of sustainable water management in the Australian context.

Tier 1: Australian Journey Series

- **The Australian** Water Governance Reform **Journey** (*complete*)
- **The Australian** Urban Water Reform **Journey** (*possible rebadge*)
- **The Australian** Irrigation Reform **Journey** (*new*)
- **The Australian** Environmental Flows Reform **Journey** (*new*)
- **The Australian** River Basin Reform **Journey** (*new*)

Tier 2: Guides

- **A Guide to** Setting a Path to Improved Water Management and Use under Scarcity [WaterGuide] (*complete*)
- **A Guide to** Integrated Urban Water Management [Urban WaterGuide] (*proposal*)
- **A Guide to** Water Tools [WaterTools] (*pipeline*)
- **A Guide to** River Basin Planning [BasinGuide] (*pipeline*)
- **A Guide to** Setting a Path to Improved Groundwater Management (*new*)
- **A Guide to** Managing Water for the Environment (*complete*)
- **A Guide to** Managing Regional Irrigation (*new*)

Tier 3: Australian Perspective Series

- Aquatic Biodiversity Conservation - **An Australian Perspective** (*new*)
- Building Resilience to Drought - **An Australian Perspective** (*rebadge HLPW*)
- Climate Change - **An Australian Perspective** (*new*)
- Coastal Management - **An Australian Perspective** (*new*)
- Community Voices in Water Resource Planning and Management - **An Australian Perspective** (*new*)
- Cultural Water - **An Australian Perspective** (*new*)
- Dam safety - **An Australian Perspective** (*new*)
- Environmental Reporting – River Health - **An Australian Perspective** (*pipeline*)
- Gender and SDG 6 - **An Australian Perspective** (*rebadge*)

¹ See Annex 1 for more detailed information on each complete Knowledge Product

- Irrigation Benchmarking - **An Australian Perspective** (new)
- Managing Ports, Harbours and Estuaries - **An Australian Perspective** (new)
- New Water – Desalination - **An Australian Perspective** (new)
- Rural Water Charging - **An Australian Perspective** (pipeline)
- Sustainable Diversion Limits for Groundwater - **An Australian Perspective** (new)
- The Evolution of Water Stewardship - **An Australian Perspective** (complete)
- Valuing Water - **An Australian Perspective** (rebadge HLPW)
- Water and Wastewater Treatment - **An Australian Perspective** (new)
- Water markets and trading - **An Australian Perspective** (new)
- Water Ordering - **An Australian Perspective** (pipeline)
- Water Scarce Cities - **An Australian Perspective** (possible rebadge)
- Water Security - **An Australian Perspective** (new)
- Water Use Efficiency in Irrigated Agriculture - **An Australian Perspective** (pipeline)

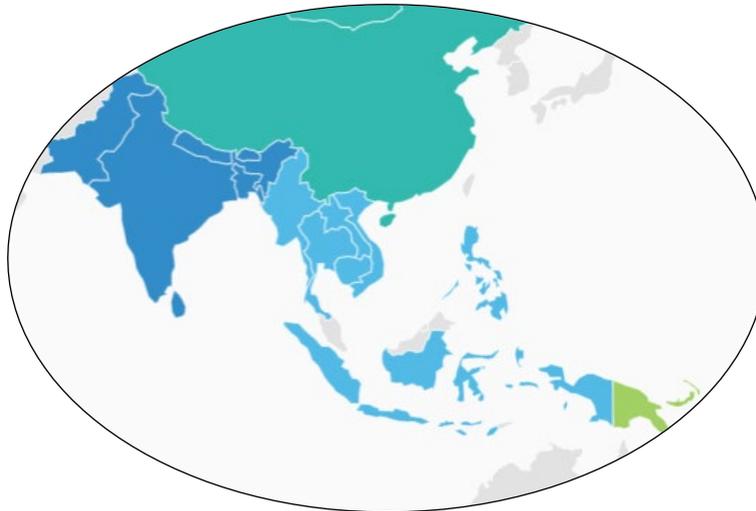
The Australian Bookcase will be complemented by publications from our Partners that could fit within the Tiers. For example: Bureau of *Meteorology's* **Good Practice Guidelines for Water Data Management Policy**.

Each Knowledge Product in the three tiers will be accompanied by a 2-page flyer that summarises the essence and generic main messages of the product. These flyers will enhance the dissemination and communication of Australia's experience and expertise. They also present a cost-effective means of translating this knowledge into multiple languages hence improving the accessibility of Australian knowledge in the Indo-Pacific region.

The International Bookcase

The international bookcase will comprise all relevant Knowledge Products developed through AWP funded demand-led activities. The bookcase will be arranged according to AWP's key geographies.

AWP's primary focus area is the Indo-Pacific region within which five priority geographies have been identified for larger-scale work - two regional: the Pacific and the Mekong, and three countries: Indonesia, India and China.



There are several instances where there is a demand for one of the Australian Knowledge Products to be adapted to a specific country context. For example, a Basin Guide for India or Rural Water Charging for Vietnam. There are also instances where an in-country activity includes a Knowledge Product as a deliverable. For example, the 'Hydrology of the Dry Zone in Central Myanmar' and the 'Ayeyarwady Basin Exploratory Scoping Study.' These knowledge products will be incorporated into the International Bookcase and AWP's Knowledge Hub and tagged to relevant region/country, and Knowledge Entry Point (see section below). When requested by In-country Partners these products can be translated into local languages to further increase accessibility.

In addition to activity information for each region/country, links to other useful resources will be included on the website. For example, articles describing the political economy of each country, news items, and relevant reports from our International Multilateral Partners.

This component of the AWP Knowledge Hub will greatly improve interest and potentially increase demand for Australian expertise in the Indo-Pacific region and beyond.

Eight Knowledge Entry Points

The primary reason for developing AWP's Knowledge Framework and populating it with Knowledge Products is to share Australia's water experience and expertise in the Indo-Pacific and beyond; and capture and share experiences and lessons learned in AWP's key geographies. Although all the Knowledge Products are valuable stand-alone products, it is unlikely that our country partners in the region will read through them to find out how Australian water experts can assist them with their own water issues, challenges and problems. Therefore, eight Knowledge Entry Points have been developed that are more likely to capture the interest of our country partners which will then guide them to relevant AWP Knowledge Products, blog posts and interviews, related AWP activities, AWP Partners with the relevant expertise, and additional useful links and resources. These entry points also reflect the domains and scope of AWP investments described in the Strategic Plan 2018 – 2023 (Strategic Direction 6).

The AWP website/Knowledge Hub will be designed according to the Knowledge Entry Points described in the table below.



Strategic Approaches to Water Management

Why: A strategic approach to water management is critical to ensure that water is allocated equitably, efficiently and in an environmentally sustainable manner.

Do you want to learn more about valuing water, water allocation, water ownership, water markets, water charging, water trading, water law, institutions, governance arrangements, participatory engagement, gender equality and social inclusion, water cooperation, water reform, IWRM, water-food-energy nexus, equitable and reasonable water use, no significant harm, economic growth and wellbeing, sustainable water use, drought resilience, SDG 6?

Do you have these issues/problems/challenges?

- Managing competing uses for increasingly scarce water resources
- Increasing the diversity of water supply and water treatment options
- Struggling to prioritise water uses and users
- Are there gaps in your water laws and policies
- Are sectors/government ministries/departments not aligned in their water-related mandates, roles and responsibilities
- Struggling to get political buy-in and/or community support for your decisions
- Trying to be more inclusive in your decision-making – gender equality and social inclusion

[Link to these AWP Knowledge Products](#)

[Link to these blogs and audio interviews](#)

[Link to what AWP is doing in this space](#)

[Link to these AWP Partners with this expertise](#)*

[Link to other relevant resources](#)



Gender Equality and Social Inclusion

Why: Decisions that exclude 50% of the population (women) do not make sense when the success of those decisions rely on both men and women for their implementation. We have a societal responsibility to ensure that vulnerable and disadvantaged groups are included and accounted for in water allocation and management processes and outcomes.

Do you want to learn more about what gender and social inclusion means, how to do (or commission) a gender analysis, what risks could emerge by not being GESI sensitive, how to implement GESI, how to promote your GESI efforts, global experiences of gender and water resource management, GESI and SDG 5 and 6?

Do you have these issues/problems/challenges?

- Want to learn how to identify and analyse gender equality and social inclusion barriers, opportunities and risks
- Be confident that your work does no harm to vulnerable groups.
- Knowing what initiatives to include to promote and increase gender equality and social inclusion outcomes.
- Being sure that your monitoring and evaluation system collects data that is disaggregated by sex, age, and disability, and includes indicators to measure gender equality and social inclusion?
- Knowing that you have enough resources (human, financial, technical) for achieving the gender equality and social inclusion outcomes?

[Link to these AWP Knowledge Products](#)

[Link to these blogs and audio interviews](#)

[Link to what AWP is doing in this space](#)

[Link to these AWP Partners with this expertise*](#)

[Link to other relevant resources](#)



River Basin Planning

Why: Planning at the basin level enables the interconnections and interdependencies between the different elements of the water resources base and between the water sector and other sectors to be made explicit.

Do you want to learn more about basin planning, modelling platforms to support basin water management, appropriate legal and policy frameworks, governance arrangements, upstream – downstream cooperation, IWRM, stakeholder engagement, deliberative governance, mapping water-related assets and resources, hydropower, dams, sediment management, water-food-energy nexus, pollution – water quality guidelines, climate change, implementation – regulation and enforcement, source-to-sea, sustainable water use, water for the environment, water infrastructure (connecting urban, peri-urban and rural), basic human needs, basin visioning and scenario planning, adaptive management, river health – environmental reporting, extractive industries, managed aquifer recharge, transboundary water management?

Do you have these issues/problems/challenges?

- Trying to decide which basin institutional arrangement is the most appropriate
- Problems with sediment and/or salt management
- Trying to implement IWRM at the basin scale
- Are you developing scenarios for different basin development pathways
- Interested in improving/strengthening cooperation over shared water resources across international or state boundaries
- Allocating water to different users and uses
- Integrating surface and groundwater management
- Understanding impacts of climate change
- Developing basin plans

[*Link to these AWP Knowledge Products*](#)

[*Link to these blogs and audio interviews*](#)

[*Link to what AWP is doing in this space*](#)

[*Link to these AWP Partners with this expertise**](#)

[*Link to other relevant resources*](#)



Water Tools

Why: Reliable, replicable, and feasible data and tools to support legislation and policies is crucial for building trust in water allocation and management decision-making.

Do you want to learn more about hydrological modelling, big data, forecasting, modelling platforms, software, remote sensing, mapping, best modelling practices, gaming tools, water quality modelling, decision support systems, water accounting, integrated systems modelling, evidence-based scenario planning, surface-groundwater modelling, modelling communities of practice, river operations, flood operations, hydrographic data management, innovation and technology?

Do you have these issues/problems/challenges?

- Frustrated by incompatible or incomplete hydrological data sets
- Disputes over shared data – between sectors or across borders
- Trying to integrate different models on one platform
- Struggling to manage and maintain modelling software
- Difficulties implementing water laws and policies
- Trying to map the extent and change over time of water-related ecosystems (SDG 6.6.1)

[*Link to these AWP Knowledge Products*](#)

[*Link to these blogs and audio interviews*](#)

[*Link to what AWP is doing in this space*](#)

[*Link to these AWP Partners with this expertise **](#)

[*Link to other relevant resources*](#)



Environmental Water – quantity and quality

Why: Water for the environment underpins and enables social and economic activities and aspirations. Healthy freshwater ecosystems enable long term strategic planning and consideration of future generations' water related needs. Good water quality is essential for human and ecosystem health. As populations grow and natural environments become degraded, reducing pollution is key to ensuring safe water supplies for the full range of uses and users.

Do you want to learn more about setting environmental objectives, mapping water-related environmental assets and resources, water for the environment, environmental flows and environmental watering; river health – environmental reporting, SDG 6.6, groundwater dependent ecosystems; sustainable diversion limits; valuing water; links to cultural flows; point and diffuse source pollution, water quality guidelines, water supply and wastewater treatment; water treatment technologies; operations-regulation and enforcement, climate change impacts and adaptation?

Do you have these issues/problems/challenges?

- Are you wanting to ensure that water for the environment – water-related ecosystems is taken into account
- Struggling to ensure that aquatic ecosystems are maintained during drought conditions
- Looking to report on river health – developing indicators for monitoring
- Wanting to understand why the environment is important in your basin plan, IWRM plan etc
- Trying to improve the water quality in your rivers, lakes and wetlands
- Trying to improve the quality of your water supplies
- Improving wastewater treatment from domestic and industrial sources

[Link to these AWP Knowledge Products](#)

[Link to these blogs and audio interviews](#)

[Link to what AWP is doing in this space](#)

[Link to these AWP Partners with this expertise](#)*

[Link to other relevant resources](#)



Integrated Urban Water Management

Why: 68% of the world population is projected to live in urban areas by 2050, increasing from 54% currently. Understanding the water needs, both quantity and quality, between urban, peri-urban and rural communities is crucial for sanitation, health and sustainable water management outcomes.

Do you want to learn more about integrated urban water management, water sensitive cities, sponge cities, peri-urban, informal urban settlements, SDG 11, wastewater management, stormwater management, integrated urban and catchment management, reuse-recycle, nature-based solutions, flood management, sanitation and health, potable water supply and storage, WASH, conjunctive use, smart cities, water infrastructure and investment, non-revenue water, water utility excellence, integrated urban and basin modelling platforms?

Do you have these issues/problems/challenges?

- Trying to reduce non-revenue water
- Struggling to deliver safe water from treatment plant to household tap
- Treating wastewater appropriately
- Combining hard and soft water infrastructure solutions
- Aiming to improve efficiencies for your water utility using smart technologies
- Recycling and re-using wastewaters
- Connecting your urban water management to your basin water management
- Is your city running out of water – when is day zero

[Link to these AWP Knowledge Products](#)

[Link to these blogs and audio interviews](#)

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Irrigation and Agriculture

Why: Globally, one in nine people in the world today (815 million) are undernourished. Agriculture is the single largest employer in the world, providing livelihoods for 40 per cent of today's global population. Irrigated agriculture consumes 70% of harvested fresh water; efficiencies in irrigation practices can greatly contribute to zero hunger and sustainable water management.

Do you want to learn more about rural irrigation infrastructure, drainage supply schemes, water charging within irrigation systems, modernizing irrigation schemes, irrigation benchmarking, improving crop per drop, irrigation asset management, rural water supply schemes, irrigation delivery schemes, levels of service, water-food-energy nexus, smart technologies, policies-service delivery-regulation, operator rules, drainage and flood protection, pricing and regulators, revenue requirements, food security, SDG 6 and 2, improving water use efficiency.



Do you have these issues/problems/challenges?

- Trying to assess and design the most appropriate irrigation infrastructure for your country
- Are you wanting to introduce a charging scheme for the use of rural irrigation and drainage systems
- Looking to improve water use efficiencies in the agricultural sector
- Understanding the impact of subsidies on the water-food-energy nexus
- Modernising your irrigation sector through ICT

[Link to these AWP Knowledge Products](#)

[Link to these blogs and audio interviews](#)

[Link to what AWP is doing in this space](#)

[Link to these AWP Partners with this expertise](#)*

[Link to other relevant resources](#)



Sustainable Development Goals

Why: We are **not** on track to achieve SDG 6 by 2030 at the current rate of progress. Sustainable management of water and sanitation underpins wider efforts to end poverty, advance sustainable development and sustain peace and stability.

Do you want to learn more about water-related SDGs, SDG 6, the High Level Panel on Water, Targets and Indicators for SDG 6, the UN SDG 6 Synthesis Report, how all the SDGs are interlinked, which organisations are responsible for SDG data collection, related global indicators/indices, transboundary water management, Asia Water Development Outlook, sustainability assessment and reporting.

Do you have these issues/problems/challenges?

- Do you need assistance in achieving your water-related SDGs and reporting on progress
- Do you need assistance with IWRM strategy design for your country
- Are you looking for partnerships to enhance SDG 6 implementation
- Do you need assistance in transboundary water management
- Understanding the inter-dependencies of the SDGs

[Link to these AWP Knowledge Products](#)

[Link to these blogs and audio interviews](#)

[Link to what AWP is doing in this space](#)

*[Link to these AWP Partners with this expertise *](#)*

[Link to other relevant resources](#)

* In addition to the dedicated Partner Portal that only Partners can access, there will be a section of the AWP website on 'Find your Partner' where capabilities will be searchable and linked to the 'Knowledge Entry Points' described above.

AWP Knowledge Hub

The AWP website will serve as the basis for AWP's Knowledge Hub. It is currently being re-designed in such a way to capture the Australian and International Bookcases and the Knowledge Entry Points described in the previous sections of this Strategy.

It will also provide a summary of the water-related issues and opportunities of each AWP priority region and country; as well as the detail of all AWP activities undertaken in those geographies. All content will be tagged to enable easy searching and filtering functions.

It is the intention that existing content generated through Kini (AWP's previous knowledge sharing platform) will be integrated into the AWP website and its content will not be branded as Kini in the future. Existing Kini content will be aligned and integrated to support the implementation of this Knowledge Strategy and the tactics outlined in the Communications Strategy. Future content such as blog posts, interviews and thematic groups will be aligned to the Knowledge Framework, Knowledge Products, and the Knowledge Entry Points outlined in this Strategy.

Knowledge Sharing and Exchange

The Knowledge Strategy up to this point has been passive i.e. it relies on the user to access, interpret and adapt knowledge and information via AWP's Knowledge Hub/website. This section aims to capture the more active side of knowledge sharing and exchange, recognising the value in this from a development and diplomatic perspective. AWP's Knowledge Products and more broadly Australia's knowledge and expertise in water management provide a legitimate foundation to further strengthen water diplomacy efforts in the Indo-Pacific region.

Mechanisms for Sharing and Exchange

Seminars, Webinars, Blog posts, & Interviews – sharing existing knowledge and insights linked to a project activity or knowledge product. Opportunity for discussion and mutual learning.

Knowledge Dissemination – this involves making content accessible and useable by policy makers, managers/practitioners and via education curricula.

Study Tours / Visiting Delegations – sharing on-the-ground experiences and stories, meeting stakeholders in the field and discussing successes and lessons learned. Opportunity for strengthening diplomatic relations and promoting Australian water knowledge and expertise.

Events and Regional Workshops – showcasing 'Team Australia', promoting Australia's water knowledge and expertise offerings. High visibility opportunities especially at conferences such as Stockholm World Water Week. Regional workshops are an opportunity to discuss the adaptation and adoption of water tools and methods with In-Country Partners.

CEO and Monthly Newsletters – frequent and brief insights into current AWP activities and events.

Annual Partner Workshop – exchange of information and knowledge between AWP, DFAT and Australian and International Partners. Opportunity to reflect, improve and learn.

Corporate Reports - the AWP Strategic Plan 2018-2023 outlines AWP's vision and mission and strategic directions until the end of Phase 2 in 2023. The AWP Annual Operational Plan forecasts activities for the year ahead. The AWP Annual Report sets out the progress and achievements of the Australian Water Partnership on an annual basis. M&E Report May 2015 – June 2018 details progress made to achieving AWP's development goal and outcomes.

Investment in Project Activities – the adaptation and adoption of Australian knowledge, values, approaches, tools, technologies in the Indo-Pacific and their subsequent implementation. Ultimately contributing to enhanced sustainable water management in the region.

These 'active' elements of the Knowledge Strategy are complemented by the Partnership Strategy where engagement with in-country government officials, diplomats and water colleagues are opportunities to promote Australia's water expertise; and the Communications Strategy where social media campaigns promoting AWP activities, knowledge products and events are key.

Target Audiences

The target audiences for the Knowledge Strategy are the same as those articulated in the Communications Strategy:

International Partners - International Multilateral Partners and In-country Partners with whom AWP has existing partnerships.

Australian Partners - The 187 AWP members (as of 4 January 2019) from various Australian governments, agencies, organisations and businesses.

Direct Stakeholders - Australian State Governments, ministers, parliamentarians, EWL, DFAT and DFAT desks and posts.

Future Partners - organisations who AWP has identified as potential partners for development activities, but with whom AWP do not yet have any formal partnership arrangement.

There are also some additional audiences with whom AWP needs to communicate effectively, these include:

- AWP Advisory Committee; AWP Expert Review Panel;
- In-country implementation partners;
- Broader international water sector; and
- Australian Parliament, Government and the general Australian public.

Operational Considerations

Quality Control

AWP expects knowledge products to be of high quality with regards to content and design. In order to facilitate this expectation, AWP will provide a *Guide to Authors* and engage a peer review process via AWP's Expert Review Panel and/or other topic experts. The choice of reviewers will be determined based on the content/subject of the knowledge project.

Contracting

AWP will develop standardised clauses in contracting documents with regard to the Intellectual and Moral (Copyrights) Rights for all knowledge products.

Reporting

The Knowledge Strategy feeds directly into Outcome 1 of the Monitoring and Evaluation Plan, viz: Improved water planning, allocation and governance by governments, industries and civil society. The

theory of change supporting this outcome is that Australian knowledge is applied to different contexts and countries and will contribute to enhanced sustainable management of water resources.

Implementation: Timing and Budget

A detailed annual implementation plan and budget will describe the breakdown of costing and scheduling for the production, sharing and exchange of knowledge products and activities.

Way Forward

There is a number of steps that need to be undertaken to further enhance the implementation of this Strategy, they include:

- Undertake a gap analysis of Knowledge Products in relation to demand from the Indo-Pacific region.
- All AWP Knowledge Products within the 'Knowledge Framework' are complete and available. Undertake a knowledge harvest of Phase 1 activities to identify knowledge products that could feed into the International Bookcase.
- Re-design of the AWP Website / Knowledge Hub to incorporate the Knowledge Entry Points, existing Kini content, and 'Find your Partner' elements described in this strategy.
- Execution of the operational considerations on quality, contracting and reporting.
- Preparation and execution of an annual knowledge implementation plan to track progress.

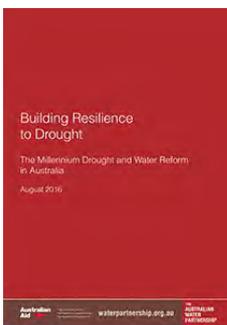
Annex 1. AWP Knowledge Products

The Australian Bookcase: Existing



[The Australian Water Reform Journey: An overview of three decades of policy, management and institutional transformation](#)

Traces how water policy, management and institutional arrangements have been transformed in Australia over the past three decades. Distils the key elements of the reform journey and lessons learned in conducting reforms.



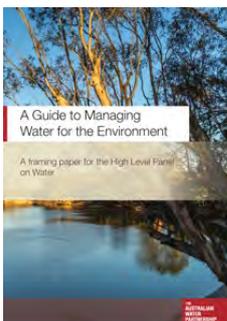
[Building Resilience to Drought: The Millennium Drought and Water Reform in Australia](#)

Australia's Millennium Drought (1997–2009) severely tested new arrangements developed during a multi-decadal program of water reform and led to a new set of arrangements for dealing with drought and water scarcity. The drought ultimately played a key role in progressing water reform and building resilience to future water scarcity.



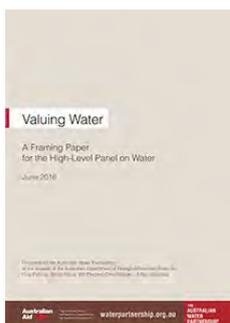
[WaterGuide: Setting a path to improved water resource management and use under scarcity](#)

WaterGuide describes a framework for the establishment of water resource management policies and plans for national and state governments. It enables decision makers to confirm a vision for the management of water, understand water supply and demand, and deliver resilient water infrastructure and services in the effort to tackle water scarcity.



[A Guide to Managing Water for the Environment](#)

This guide provides insight for decision makers wishing to improve the management of water-ecosystem health. It offers practical advice for countries seeking to improve management of water for the environment by 2030 based on lessons learned by Australia and other countries.



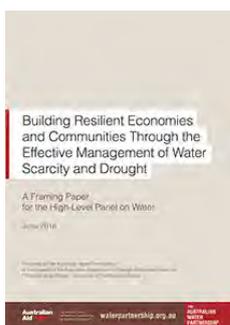
Valuing Water

This report describes the state of global practice in valuing water, how valuation has been integrated into water management to achieve more efficient, equitable and sustainable outcomes, and provides options to spark global action within an SDG timeframe to improve water management by making more effective use of valuation.



Human Settlements

This report describes how Integrated Water Cycle Management can be used to address emerging global water management challenges to do with urbanisation as populations grow, environments become degraded, climate uncertainty increases, and resources are constrained.



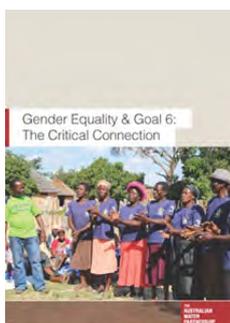
Building Resilient Economies and Communities Through the Effective Management of Water Scarcity and Drought

This report describes approaches to managing drought and water scarcity for the 40% of the world's population facing these problems.



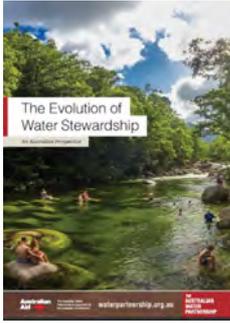
Gender & SDG6: The Critical Connection

This report explores how Sustainable Development Goal 6 and the High-Level Panel on Water Action Plan can significantly contribute to gender equality in both water resources management and WASH, and by doing so, will contribute to more sustainable and effective water management outcomes for all people, while decreasing the inequalities prevalent in many societies.



Gender Equality & Goal 6: The Critical Connection

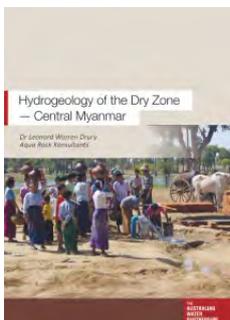
This publication builds on the Gender & SDG 6 HLPW report described above and identifies key areas of action which can contribute to more sustainable and effective water management outcomes for all people while simultaneously decreasing societal inequalities.



The Evolution of Water Stewardship

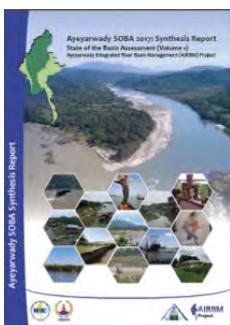
This publication captures the role Australia played in the development of water stewardship globally through the Alliance for Water Stewardship (AWS), including the establishment of the international water stewardship standard. It highlights successful case studies in introducing good water practices from global corporations to small farm businesses.

The International Bookcase: Existing



[Hydrogeology of the Dry Zone, Central Myanmar](#)

A major study by Dr Leonard Drury, prepared with assistance from the Ministry of Agriculture, Livestock and Irrigation (MOALI). The study revises and updates hydrogeological surveys and a drilling program begun in the late 1970s to mid-1980s. It represents an understanding of the groundwater resources of the Dry Zone based on decades of experience from hydrogeologists from Myanmar and Dr Drury's extensive international experience.



[Ayeyarwady State of the Basin \(SOBA\) Synthesis Report \(Volume 1\)](#)

The SOBA Synthesis report is the result of the most comprehensive assessment ever completed on Myanmar's Ayeyarwady River Basin. The draft report was launched at the Asia-Pacific Water Summit in Yangon, Myanmar in December 2017, and the latest version captures the outputs of AWP's significant work in Myanmar.

[Ayeyarwady State of the Basin \(SOBA\) Volume 2: Technical Reports](#)

This report is a compilation of 17 technical reports and is available on the AIRBM website (www.airbm.org).