



Earth Sustaining Sciences Group

Shared Success Series®

Sustainable Shared Success Solutions

It is really so simple



Earth Sustaining Sciences Group

Shared Success Series®

Sustainable Shared Success Solutions



Shared Success Series®

The series currently includes:

- ✚ Shared Success in Society,
- ✚ Shared Success in Business,
- ✚ Shared Success in Management of Change,
- ✚ Shared Success in Dynamics,
- ✚ Shared Success in Eco-Societal Ecology,
- ✚ Shared Success in Occupational Health Safety and Risk,
- ✚ The SABR Process Environmental Solutions System,
- ✚ The SABR Process Agricultural Solutions System,
- ✚ Community-Industrial Partnership Review System,
- ✚ Ecomining Assessment and Audit System,
- ✚ Shared Success in Intertidal Permaculture,
- ✚ Shared Success in Organic Polyculture Permaculture Farming, and
- ✚ Shared Success in Developing an Integrated Permaculture Research Centre.

The Earth Sustaining Sciences Institute is a societally aligned societal, resources, environmental & agricultural solutions centre based on the foundations of practice, arts, language, lore and law.

Shared Success is a philosophy supporting potential for 'Greed Free Agreements' in all elements of industry, government and societal dealings, primarily those involving community. The Shared Success Series®, authored by Wayne Sampey and Carter Edwards, with Daemon de Chaeney, Richard Barker, Terry Haines, Carol Ridgeway-Bissett and Joe Pito has been designed for all those in community, including the young, unprepared or uninformed, who are on their way to making it in life. More than hard work and dedication is needed to realise outstanding achievements. There is a need for management skills to enable a whole new world of risk and opportunity to be assessed and addressed when commercial prospects come knocking.

The Earth Sustaining Sciences Institute, created the Shared Success Series, to assist those with reduced opportunity to achieve mainstream higher education develop their inherent skills and abilities through stepped, meaningful, practical/technical learning. Shared Success in Society® presents techniques and applications in understanding and achieving industry centric eco-societal management that delivers mutually beneficial solutions and outcomes.

The Shared Success Series® is a formal Earth Sustaining Sciences Institute face to face or electronic visual lecture learning programme, which is also available for self-study in self-contained text and workbook configurations that will form a part of the participant's ongoing learning and reference material. The practical/technical eco-societal prosperity advancing learning and application model seamlessly integrates societally and commercially viable, science and engineering supported, functional, sustainable management systems. The Institute, founded to design, advance and implement intergenerationally sustainable societal, resources, environmental and agricultural solutions, focuses upon all-natural, low risk, minimum change for maximum benefit practices.



Solutions pathways

The Earth Sustaining Sciences Institute, founded to design, advance and implement intergenerationally sustainable societal, resources, environmental and agricultural solutions, focuses upon all-natural, low risk, minimum change for maximum benefit outcomes. The Institute presents practical/technical eco-societal prosperity learning models that seamlessly integrate societally appropriate, commercially viable, science supported, engineered sustainable management systems. Earth Sustaining Sciences developed a series of all-natural processes that deliver both complete environmental systems rehabilitation through high level all-natural biological soil enrichment, coupled with organic growth biostimulation and slow release support.

The Earth Sustaining Sciences Institute curriculum, established by Wayne Sampey, Carter Edwards, Daemon de Chaney, Richard Barker, Carol Ridgeway-Bissett, Terry Haines, Mark Woodroffe and Joe Pito, ranges from children's through family learning to high-level tertiary studies societal advancement and eco-societally focussed industry supporting methodologies. It presents techniques and applications particularly effective in delivering sustainable eco-societal management and, environmental agricultural development to in-need locations that suffer varying water and soil quality. The processes enhance maximum regeneration potential by utilising enriched natural systems to yield organic solutions. The Earth Sustaining Sciences techniques and practices, supportive of culturally endorsed traditional society approaches, are effective on both small and commercial scales; allowing economic advancement in a framework that strengthens intergenerationally prosperous outcomes. The Earth Sustaining Sciences Institute also follows the methods and systems of the late Bill Mollison, the brilliant, pragmatic researcher, author, scientist, teacher and biologist considered to be the 'father of permaculture.'

Sustainable Solutions for Industry, Environment and Society

The economic prosperity of communities, especially remote communities, the management of the environment regarding the sustainable management of ecology pressuring activity, rehabilitation of disturbed lands, (primarily those disturbed through mining, forestry and agriculture) and the growing issues surrounding, sustainable clean water resources and allied societal issues are endemic risks to the intergenerational prosperity of many people and cultures. Earth Sustaining Sciences and the Earth Sustaining Sciences Institute have practical solutions pathways to these risks and successfully implementable methodologies for community eco-societal prosperity (economic, ecological and societal prosperity), which is the driving precursor to individual, family, community and nation empowerment and the realisation of eco-societal sustainability.

The Earth Sustaining Science's Institute 'pathways framework' for community economic advancement and self-determination will deliver opportunities for significant reductions in increasing reliance by communities and disturbed environments on government resources, substantiated by the ability of communities to grow as mentored self-managed generators of immediate and intergenerationally sustainable, economic and societal prosperity, while embracing ruling political governance. Essentially, achieving like-minded, co-beneficial Shared Success between community, government and private industry, focussed upon individual, community and national prosperity is grounded in the genuine support for the established governance model, regardless of political persuasion. Belief in people, practice and prosperity begins in support of governance. The outcome is the delivery of culturally endorsed locally and nationally united governance in economics, environments and communities through remediation and management of poor quality water, disturbed soils and pressured ecology, to deliver sustainable remediation and management providing increased domestic organic polyculture while creating commercial polyculture permaculture with a view to Shared Success, with local business being the majority beneficiaries.

Earth Sustaining Sciences has exhibited that in company with communities, government, global financial institutions and private industry, the effective delivery of multilateral prosperity motivating 'principal solutions pathways' provides readily achievable desired outcomes. The historic-norm bureaucratic complexities restricting the realisation of intergenerational eco-societal prosperity are in urgent need of rapid, measurable, practical determinations. The time for technical studies and benign, unfulfilling academic debate is over. It is time for practical solutions delivery.



The Shared Success Series® Volume 1 **Shared Success in Society**

Shared Success in Society is the first instalment to deliver understanding, design, implementation and management of sustainable solutions.

Whether new to opportunity and potential, or experienced to it through hard work and learning, honing skills for many years, exposure to accountable risk can be a very daunting experience. Some who enter business or public life are seen by many as an overnight success, but those with experience realise that achieving overnight success can take 20 years. Often little consideration is given to behind the scenes learning and significant expended effort. It is about perception, how one acts and how they treat others in society, more directly the immediate community, which assists in reducing risk and creating opportunity. There are many important, necessary elements to success; knowing them before making major decisions concerning risk and opportunity, which are always joined is a far more sustainable method than many of the alternatives. It is all about intelligent assessment, approach and response. Delivery is everything.

Life can be unforgiving especially when Mindset allows it. From the moment society focus their attention, individuals will Rightly or Wrongly become a centre of commentary and judgement. Step into the spotlight and once that set of events arrives, maintaining control is key! Mindset is perhaps the greatest contributor to control. Many unprepared miss-out on opportunities of a lifetime or fall prey to unforeseen or poorly understood and poorly treated risks. This means being prepared and able to cope and deliver.

The Shared Success Series® Volume 2 **Shared Success in Business**

Shared Success in Business is the second instalment to deliver understanding, design, implementation and management of sustainable solutions.

Essentially business is about mindset; a simple idea discovered by world-renowned Stanford University psychologist Carol Dweck in decades of research on achievement and success. A simple idea that makes all the difference. Shared Success in Business initially approaches business from the mindset point of view:

In a Fixed Mindset, people believe their basic qualities, like their intelligence or talent, are simply fixed traits. They spend their time documenting their intelligence or talents instead of developing them. They also believe that talent alone creates success, without effort. They're wrong!

In a growth mindset, people believe that their most basic abilities can be developed through dedication and hard work; brains and talent are just the starting point. This view creates a love of learning and a resilience that is essential for great accomplishment. Virtually all great people have had these qualities.

Encouraging and developing a growth mindset over a fixed mindset creates motivation and productivity in the worlds of learning, business and, achievement. Societally, a Growth Mindset enhances relationships. The content progresses to people, economics, commercial acumen, multidisciplinary management and control of loss, with focus upon 'Greed free Agreements' and risk management and management of change. Ethics and Morals components are intertwined with business desires, (needs and wants), transparency and consequences.



The Shared Success Series® Volume 3 **Shared Success in Management of Change**

Shared Success in Management of Change focusses upon approaches to transitioning individuals, teams, and organisations using methods intended to re-direct the use of resources, business process, attitudes, behavioural patterns, or other modes of operation that significantly positively reshape outlooks of community and organisations. Shared Success in Management of Change focuses on how people, teams and communities are affected by an organisational or societal transition. It deals with many different disciplines, from behavioural and social sciences to information technology and business solutions. In a project management context, Management of Change may refer to the change control process wherein changes to the scope of a project are formally introduced and approved.

Today we are in what is considered as the fourth era of Management of Change, an era in which Management of Change is part of organisational DNA. Looking to the future, data from Prosci's 2013 benchmarking study identified two major trends in the discipline for the coming five years:

1. Continued formalization, evolution and refinement of the profession, and
2. A shift in focus from project-by-project application toward building true organisational capabilities.

Leading organisations have undertaken this shift, making concerted efforts to embed and institutionalise Management of Change. These organisations are establishing systems that make Management of Change a required and expected element of all projects, increasing the consistent application of a common approach. Simultaneously, they are working to build 'change leadership' competencies throughout the organisation, from the very top to the most front-line supervisors. Prosci calls the effort to build organisational Management of Change capabilities Enterprise Management of Change. Currently, it is still the innovators and early adopters that are moving in this direction. However, data and experience suggests that in the coming years, more organizations will realise that their ability to 'out-change' the competition is what will set them apart, and the discipline of Management of Change will become a strategic differentiator.

The Shared Success Series® Volume 4 **Shared Success in Dynamics**

Shared Success in Dynamics focusses upon Dynamics as the forces or the properties which stimulate growth, development, or change within a system or process.

Five Factors of Dynamics:

1. Properties,
2. Stimulation,
3. Development,
4. Growth,
5. Change.

Every so often a truly ground-breaking idea comes along, because someone has taken the time to apply time, thought and ingenuity.

This is, Mindset explains:

1. Why brains and talent don't bring success,
2. How they can stand in the way of it,
3. Why praising brains and talent doesn't always foster self-esteem and accomplishment,
4. How teaching a simple idea about the brain raises grades and productivity,
5. What all great business people, parents, teachers, athletes and other successful people know.



The Shared Success Series® Volume 5 Shared Success in Eco-Societal Ecology

Shared Success in Eco-Societal Ecology bridges society and ecology with a focus upon a single biosphere. The simplest definition of society is a group of people who share a defined territory and a culture. In sociology, we take that definition a little further by arguing that society is also the social structure and interactions of that group of people. Social structure is the relatively enduring patterns of behaviour and relationships within society and surroundings. Thus, a society is not only the group of people and their culture, but the relationships between the people and the institutions within that group, interrelated with surroundings. In sociology, a distinction is made between society and culture. Culture refers to the norms, values, beliefs, behaviours, and meanings given to symbols in a society. Culture is distinct from society in that it adds meanings to relationships. For instance, what it means to be a husband in an Inuit village in Alaska is very different from what it means to be a husband in Sydney, Australia, and what it means to be a husband in the highlands of Papua New Guinea. Therefore, while the relationship exists in both (i.e., they both have social structure), what the relationship means differs by culture.

The principles of modern ecology discuss society as an element of the single biosphere, as it relates to Earth's life-support systems. Themes examined include experimental life-support systems, hierarchies, ecosystems and landscapes, component physical factors, population, development and evolution. Eugene Odum, who was Professor of Ecology at the University of Georgia, was probably the most distinguished ecologist of his day. His principal textbooks Basic Ecology (1983) and its predecessor Fundamentals of Ecology (1953), now in its fifth edition, (2004) have been standard textbooks in American universities for decades. This is an introduction to the principles of modern ecology as they relate to today's threat to Earth's life-support systems. Themes examined include experimental life-support systems, hierarchies, ecosystems and landscapes, component physical factors, population, development and evolution.

Sir Arthur Tansley (1871-1955) was an English botanist, who in 1935, created the term 'ecosystem' for the biotic (relating to or resulting from living organisms) and abiotic (physical rather than biological; not derived from living organisms) components that made a whole. The key concept, in his own words, is "the idea of progress towards equilibrium (balance), which is never, perhaps, completely attained (achieved), but to which approximation (estimate) is made whenever the factors at work are constant (continuous) and stable (steady) for a long enough period". After his death, this term came into general use, and now is part of everyday language, applied to many different contexts (technology, software). Recent development of term Ecosystem management, advanced from attempting to deal with the components separately, to managing the system. These philosophies on 'progress' could be likened to dynamics (changing aspects) as referred to in the Chinese 'I-Ching' or 'Book of Changes' or 'Classic of Changes'.

Permaculture integrates land, resources, people and the environment through mutually beneficial synergies, imitating the minimal or no waste, restricted or closed loop systems that seen in diverse natural systems. Permaculture studies and applies holistic solutions that are applicable in rural and urban contexts at any scale. It is a multidisciplinary toolbox including agriculture, water harvesting and hydrology, energy, natural building, forestry, waste management, animal systems, aquaculture, appropriate technology, economics and community development. Permaculture (the word, coined by Bill Mollison, (globally accepted as the father of permaculture), is a portmanteau (blend) of permanent agriculture and permanent culture) is the conscious design and maintenance of agriculturally productive ecosystems which have the diversity, stability, and resilience of natural ecosystems. It is the harmonious integration of landscape and people, providing their food, energy, shelter, and other material and non-material needs in a sustainable way. Without permanent agriculture, there is no possibility of a sustainable, stable social order.



The Shared Success Series® Volume 6
Shared Success in Occupational Health Safety and Risk

Shared Success in Health Safety and Risk covers all three elements in discussion and questioning and, includes the TRI-M-Mates Managing Mates System, which underpins specifically structured Behavioural Based Health, Safety and Risk Management Programmes that are seamless extensions of existing Leadership Systems and Strategies, shared in delivery by Company, Management, Line Supervision, Personnel, Contractor Management Teams, Contractors, Visitors and other Stakeholders. The domains of the TRI-M Mates Managing Mates system and programmes are:

- Occupational Health,
- Occupational Safety, and
- Occupational Risk.

The primary packages within the programme are:

Elements	Deliverables
Management	Strategy, Structure, Logistics
Leadership	Vision, Clarity, Alignment
Line Supervision	Conviction, Direction, Support
Workforce	Conviction, Direction, Support
Focus Groups	Consultation, Communication, Transparency

The Programme-Year includes the common delivery of measurable structured Elements:

Packages	Outcomes
Targeted In-Field Leadership	Fortitude
Targeted Superintendent Safety Leadership	Understanding
Targeted Supervisor, Team Leader and HSR Behavioural Leadership	Listening
Targeted Health and Safety Representatives' Communication	Sharing
Targeted Inspection, Audit and Planned Task Observation & Guidance	Review

The TRI-M-Mates Managing Mates, Health, Safety and Risk Management incorporates a HSE Systems and Programmes approach in a HSE team supported, Area Management transparently led, synchronised total workforce and management delivered Elements. These are reviewed against KPI's and measured against KRA's using a layered audit approach incorporating open communication, common accountability and transparent statistical and feedback analysis.

The HSE team provides technical and practical support to assist the Area Managers and all teams. The Area Managers maintain functional control of the provided Safety Resources who will have a Functional Direct Line to the Area Manager and a Technical Support Line to the HSE Team and be accountable for supporting Programmes and Practices Implementation and Management within the structures as agreed with the Area Manager.



The Shared Success Series® Volume 7 **The SABR Process Environmental Solutions System**

The Symbiotic Aquatic BioReactor or SABR process, is a unique combination of all-natural, localised cooperative, aggressive biology that are formed into microbiological manifolds or SABR Symbiotic Colonies. The SABR process delivers viable sustainable management solutions to all pH levels (0-14) in water and soils. The process reduces and removes challenging effluent issues, develops effective re-utilisation and achieves compliant environmental release of process affected waters and water overburden from mines, tailings facilities, waste dumps, processing, associated infrastructure and tenements in an environmental, economic and commercially acceptable manner. (Eco-societally positive) SABR Simplex and SABR Complex Systems have delivered all-natural, minimal risk solutions in:

Mining and minerals processing:

-  Coal,
-  Gold,
-  Platinum,
-  Iron ore,
-  Copper,
-  Lead and Zinc, and
-  Rare Earths and Poly metals.

Processing:

-  Phosphate refining,
-  Acid manufacture,
-  Alumina refining,
-  Coal fired power generation.

Tailings, (wet tailings and dry stockpile):

-  Coal,
-  Gold,
-  Iron ore,
-  Alumina, and
-  Phosphogypsum, and
-  Fly ash.

SABR BioSolve Systems have delivered all-natural, minimal risk solutions in:

-  Bauxite/Alumina Refining Effluent and Red Mud Stockpile and Residue, and
-  Phosphogypsum Effluent and Waste Stockpile remediation.

The Earth Sustaining Sciences approach is to utilise SABR bioremediation to treat waters and soils achieving and utilizing beneficial outcomes to assist in the immediate remediation of on-site and off-site environments and systems. Earth Sustaining Sciences can demonstrate effective solutions with the potential to encourage the support of regulatory authorities in almost any Acid Mine and Acid Rock Drainage and Process Affected Water and Lands remediation project. To date the SABR process has delivered all-natural, minimal risk solutions in water and solids treatment in the form of SABR Simplex, SABR Complex, SABR Bods and SABR BioSolve Systems for the pH and contaminates management of effluent streams. The SABR BioStim and SABR BioGrow Systems provide multiple level remediation of disturbed ecology, reinvigoration of riverine, riparian, wetland and soil systems and progression soils and growing systems for Environmental Rehabilitation, Environmental Agriculture and Agriculture and Organic Polyculture Permaculture applications. The text forms the base material for the SABR Operations Training Programme, and while teaches the principles and practices does not reveal the complete methodology development. It enables design, implementation and sustaining management of SABR Systems.



✚ The Shared Success Series® Volume 8 The SABR Process Agricultural Solutions System

Earth Sustaining Sciences multidisciplinary science application to agriculture (polyculture Permaculture) allows for exponential progression which appropriately synthesises various disciplines to reach rapidly deliverable eco-societally sound solutions to both simple and complex situations. In this case, the multidisciplinary science application refers to the research and knowledge determined set of flexible activities that synergistically transform the environment for the societal serving production of animals and plants. The technically achieved solutions are simply applied utilising techniques comprising the continuation and enhancement of naturally occurring biological processes focusing upon minimum change for maximum benefit including research and development of:

- ✚ Production techniques, (land use, companion cropping, fertigation),
- ✚ Improving productivity, quantity and quality with appropriate natural change,
- ✚ Minimising the effects of pests on crop, animal and natural production systems cooperatively maximising health and vitality,
- ✚ Transformation of primary products value adding into single stage processes, Prevention and correction of adverse environmental effects (soil degradation, excess water use, over fertilisation, waste management and energy consumption),
- ✚ Balanced theoretical/practical crop production and ecology modelling,
- ✚ Effective use of the various sciences relating to agricultural resources and the environment, i.e. soil science, agro-climatology, biology of crops and animals (crop science, animal science and their included sciences, ruminant nutrition, animal welfare), economics, rural sociology and agricultural engineering.

The focus is to develop and maintain a balance between terrestrial and aquatic ecosystems through interface enhancement of both upstream and downstream outcomes. SABR BioStim and SABR BioGrow Systems, all-natural biogenic processes have delivered solutions in Tropical, Temperate, Hot Arid and Cold climes and environments including:

- ✚ Element saturated,
 - ✚ Nutrient depleted,
 - ✚ High Salinity,
 - ✚ Sodic,
 - ✚ Acidic,
 - ✚ Alkaline,
 - ✚ Coastal,
 - ✚ Intertidal,
 - ✚ Riverine, and
 - ✚ Highlands.
- ✚ SABR Bods, is an all-natural Desalination process that has delivered, minimal risk water and soils desalination in Mine Pit Lakes, Wetlands, Agricultural lands and natural lands. SABR Bods has delivered 70% desalination in raw seawater, with development continuing.

Simple Focus - Complex Achievement! Minimal Change for Maximum Benefit! Shared Success!

Earth Sustaining Sciences Sustainable Agriculture Projects commenced as a business integration strategy and developed into programmes structured around minimal risk operations providing prosperity for landowners, operator, communities and, land and title assets. The focus of the Sustainable Agriculture Project operation is to ensure a structure which develops efficient and effective local joint venture businesses that deliver community prosperity. The Earth Sustaining Sciences Group approach of tailored in-house solutions delivers cost effective, practical and intergenerationally sustainable agricultural solutions.



✚ The Shared Success Series® Volume 9 Community-Industrial Partnership Review System

The Community-Industrial Partnership Review System (CIR), an Industrial Accountability Review System for Communities allows landowners, communities and affected groups that are unable or unwilling to engage external support or consultancy to assist with the Eco-Societal Assessment to conduct their own review of forecast or proposed projects and programmes to a complete set of Appreciable Standards and Guidelines, in parallel to any studies being commissioned or conducted by industry and government.

The appropriate tri-partite management by community, industry and government creates significant advancements in how economic, environmental and societal paradigms are approached and shared in accountability and success.

Eco-Societal Sustainability is the economic, environmentally and societally sustainable model with the ability to effectively unite government, industry and community in a single long-term solutions approach in the intergenerational design, development and management of resources, environment and community.

The model structured around a 100 Point Risk Score System, instigates at multiple levels from the grass roots of community, industry and government growing through governance levels to final decision makers, practical over technical understanding, learning and involvement is essential to exemplify intergenerational prosperity through a simply structured community, industry, government coalition.

- ✚ Environmental Solutions, ‘Sustainable Business Mechanisms’ delivering ‘Adaptive Advantage’, through traditional and contemporary methodologies,
- ✚ Economic, Environmentally and Sociologically Appropriate Industrial, Environmental and Community Management through strategic and structured dual-path Planning and Progressive Delivery, and
- ✚ Practical over Technical Solutions delivered by Intergenerational Local Business Initiatives through the dual-path implementation and application of Community, Industry and Environmental Sustainability Solutions in a unified practical over technical integration model.

If industrial enterprises adopt a truly tri-partite certified system and meet audits, then they will continue to improve their Risk Score. The Risk Score will be used to determine the security and sustainability premiums required. The Risk Score would be administered by a panel appointed by government, community and industry supported by levies through the security and sustainability contributions.

Projects and operations with strong Risk Scores and clean audits would then have the opportunity to develop revenue streams from carbon offset and tradable water systems. The cleaner the water, the better the price, thus creating a market for clean water as the underlying objective. In addition, Industry and Government can seamlessly work with Communities to create risk offsets using the environmental agriculture and rehabilitation methodology.

Using Risk Scores would then enable a Risk Index, which would measure the risk across the immediate location and, across whole of state/nation environments and communities over time just as indices used for share markets and commodities. This Index would provide a dynamic view of the state of sustainability and actual risk point in time. A snapshot of risk.

Creating the market mechanisms to promote responsible industry is as important as punitive actions for poor environmental management. The key is the use of sustainable, transparent locally applicable certified systems that create processes to begin the process at concept and continue through the complete project, ecological, environmental and community life cycle.



✚ The Shared Success Series® Volume 10 Ecomining Assessment and Audit System

The Ecomining® Review System (ERS), an Industrial Accountability Review System allows industry, in conjunction with landowners, communities and affected groups to conduct transparent Eco-Societal Assessments of forecast or proposed projects and programmes to a complete set of Appreciable Standards and Guidelines, in parallel to any studies being commissioned or conducted by community and government. The appropriate tri-partite management by industry, government and community creates significant advancements in how economic, environmental and societal paradigms are approached and shared in accountability and success.

Eco-Societal Sustainability is the economic, environmentally and societally sustainable model for industrial projects with the ability to effectively unite industry, government, and community in a single long-term solutions approach in the intergenerational design, development and management of resources, environment and community.

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+ The Shared Success Series® Volume 11 Shared Success in Intertidal Permaculture

Shared Success in Intertidal Permaculture presents learnings and systems developed over more than 20-years of converting tidal mud-flats and salt saturated lands into beneficial organic polyculture Permaculture through low cost, minimal change for maximum benefit methodologies designed and applied by Richard Barker on the Tilligerry Permaculture Research and Education Farm in NSW, Australia. The Tilligerry Permaculture Research and Education Farm Intertidal Permaculture System (TIP System) elements include:

- + Earthworks and Swales,
- + Salinity and Sodidity Management,
- + Acid Sulfate Soil Management,
- + Water Management, Use Efficiency, Storage and Waste,
- + Biomass Soil Enhancement and Soil Lifecycle Applications,
- + Patterns in Design, Utilising and Enhancing Natural Forms, Ecosystems and Biodiversity,
- + The Twelve Permaculture Principles Application,
- + Multiple Quality Assured, Value Adding Co-Efficient Systems Development and Implementation,
- + Crop and Produce Selection,
- + Nursery Development,
- + Successive Planting Regimes and Rotation Cycles,
- + Terrestrial and Freshwater Aquatic and, Marine Systems Inter-Relationship Management,
- + Effective Utilisation of Natural Systems and Energy Sources,
- + Sustainability in Eco-Societal Risk Health and Safety,
- + Research, Learning, Development and Training.

+ The Shared Success Series® Volume 12 Shared Success in Organic Polyculture Permaculture Farming

Shared Success in Organic Polyculture Permaculture Farming presents learnings and systems developed over more than 20-years of low cost, beneficial organic polyculture Permaculture through minimal change for maximum benefit methodologies designed and applied by Richard Barker on the Tilligerry Permaculture Research and Education Farm in NSW, Australia. (TIP System)

- + Systems and Practices Planning,
- + Practices Planning,
- + Land and Site Selection,
- + Initial Design Plans including Patterns in Nature,
- + Earthworks and Swales,
- + Salinity and Sodidity Management,
- + Acid Sulfate Soil Management,
- + Water Management, Use Efficiency, Storage and Waste,
- + Biomass Soil Enhancement and Soil Lifecycle Applications,
- + Patterns in Design, Utilising and Enhancing Natural Forms, Ecosystems and Biodiversity,
- + The Twelve Permaculture Principles Application,
- + Multiple Quality Assured, Value Adding Co-Efficient Systems Development and Implementation,
- + Crop and Produce Selection,
- + Nursery Development,
- + Successive Planting Regimes and Rotation Cycles,
- + Terrestrial and Freshwater Aquatic and, Marine Systems Inter-Relationship Management,
- + Effective Utilisation of Natural Systems and Energy Sources,
- + Sustainability in Eco-Societal Risk Health and Safety.



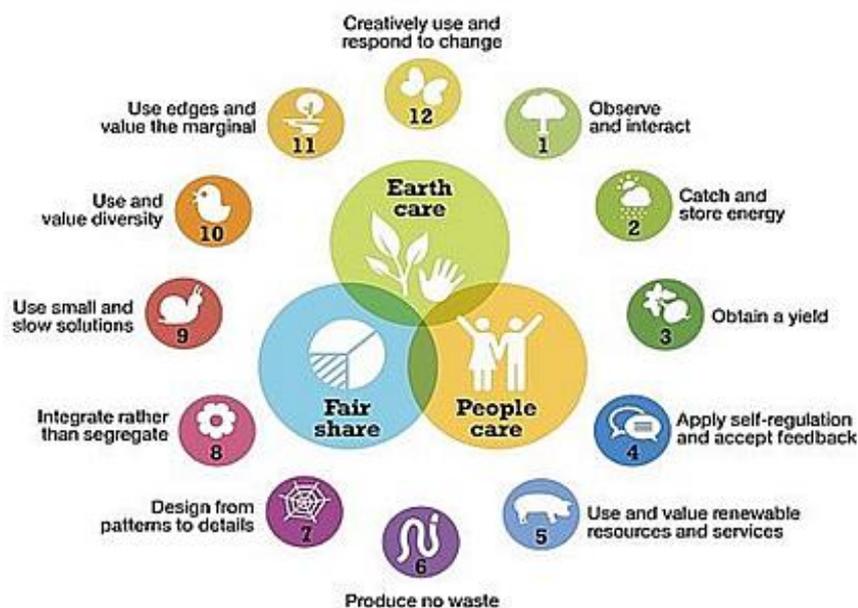
The Shared Success Series® Volume 13
Shared Success in Developing an Integrated Permaculture Research Centre

Shared Success in Developing an Integrated Permaculture Research Centre presents learnings and systems developed over more than 20-years of low cost, beneficial organic polyculture Permaculture through minimal change for maximum benefit methodologies designed and applied by Richard Barker in development of the Tilligerry Permaculture Research and Education Farm in NSW, Australia.

The Research and Development Enterprise will establish methods by which environmental conservation and agriculture can co-exist in the chosen ecosystems and grow to applications in other ecosystems. One element of the Integrated Centre is to implement and enhance existing agriculture systems for sustainable development: Environmental and Societal responsibility and management are integral components of design.

- ✚ Systems and Practices Planning,
- ✚ Practices Planning,
- ✚ Land and Site Selection,
- ✚ Initial Design Plans including Patterns in Nature,
- ✚ Earthworks and Swales,
- ✚ Salinity and Sodidity Management,
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- ✚ Patterns in Design, Utilising and Enhancing Natural Forms, Ecosystems and Biodiversity,
- ✚ The Twelve Permaculture Principles Application,
- ✚ Multiple Quality Assured, Value Adding Co-Efficient Systems Development and Implementation,
- ✚ Crop and Produce Selection,
- ✚ Nursery Development,
- ✚ Successive Planting Regimes and Rotation Cycles,
- ✚ Terrestrial and Freshwater Aquatic and, Marine Systems Inter-Relationship Management,
- ✚ Effective Utilisation of Natural Systems and Energy Sources,
- ✚ Sustainability in Eco-Societal Risk Health and Safety.

PERMACULTURE PRINCIPLES





**Earth Sustaining Sciences Group
Shared Success Series®**

Sustainable Shared Success Solutions

It is really so simple



Earth Sustaining Sciences Group

www.earthsustainingciences.com

Email: reception@earthsustainingciences.com

USA: (1) 480 409 1172

Australia: Mobile: (61) 0411 272 416

Shared Success Sustainable Solutions