

GITIGAN

(Garden/Field)

Anishinabek
Nation
Agricultural
Newsletter

MNIDOOONS GIIZIS
December 2022



What Is Permaculture? (Permanent-Culture)

By Lynn Moreau

Permaculture is a system of design that provides all of the needs for humanity in a way that benefits the environment. It is a design system that integrates plants, animals, people, buildings and the community in a sustainable and self sufficient way. Permaculture considers multiple factors in the design and integrates water harvesting and hydrology, energy, natural building materials and methods, waste management, animal systems, aquaculture, agriculture, appropriate technology, economics and community development.

Permaculture uses mutually beneficial synergies that can be applied in any location, whether large or small. It allows for a harmonious integration of people with the landscape around them to produce food, energy and shelter in a sustainable way. Ideally, systems are developed in a closed loop which allows for the diversity, stability and resilience of natural systems. Bill Mollison and David Holmgren became the founders of permaculture in 1978 when they formulated the concept in opposition to modern industrialized

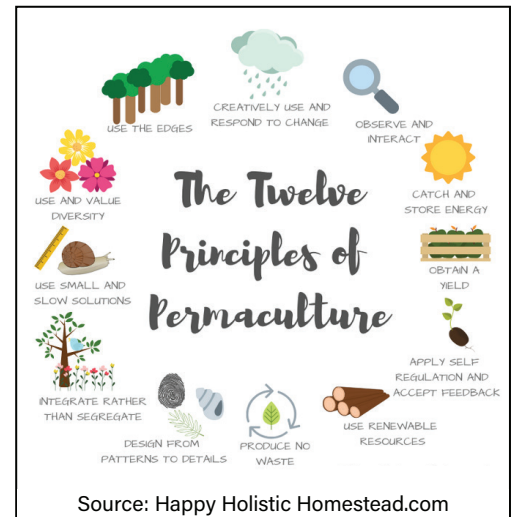
agriculture.

Zaytuna Farm, situated in New South Wales Australia, is an example of a permaculture farm. Food produced here includes aquatic crops, vegetables and herbs, chickens, ducks, quail, turkey, rabbits and fish, as well as a small dairy and beef herd.

Here, an integrated water harvesting system has been installed, which is composed of multiple dams, ponds and swales that enables gravity irrigation throughout the property. Farm electricity is off-grid solar, and composting toilets create grey water that flow into a gravel reed bed biological cleaning system. Buildings on-site include straw bale and recycled shipping containers. Metal roofing on all buildings harvests rainwater which is utilized for washing and drinking.

Permaculture is based on the following principles:

1. Relative location-placement of elements is a crucial part of the design process
2. Each element performs many functions
3. Each important function is supported by many elements



Source: Happy Holistic Homestead.com

4. Efficient energy planning
5. Use of biological resources
6. Energy cycling
7. Small scale intensive systems
8. Working with, not against, nature

In permaculture, rehabilitation of degraded and damaged natural systems is possible, and strives to minimize the disturbance of any remaining natural forests. This provides refuge for rare or threatened species while allowing for the establishment of plant systems for human use that minimize the amount of land used for our own existence.

Farm systems in permaculture can include the following elements: animals, crops, trees, nursery, aquatics, irrigation, renewable energy, waste and recycling.

CHECK OUT THESE WEBLINKS



What Does Permaculture Really Mean:

<https://www.youtube.com/watch?v=-lIsAm6yimw>

<https://www.permaculture.co.uk/what-is-permaculture/>

<https://happyholistichomestead.com/2019/01/03/what-is-permaculture/>

Permaculture as a Path to Reconciliation: <https://www.youtube.com/watch?v=I4goCIVLu-4>




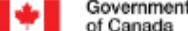

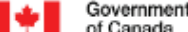
Permaculture in Action: https://www.youtube.com/watch?v=Q7rQD_lfgnE



Anishinabek Nation
Lands and Resources

www.anishinabek.ca

RESOURCES: Agriculture Programs

	<p>Two Billion Trees is Currently Open Website: https://2billion-trees-2milliards-arbres.canada.ca/ If you require the application guide, feel free to contact Lynn.</p>
	<p>SNAPP: Sustainable New Agri-Food Products & Productivity Program Intake 1 open from November 3, 2022 to January 13, 2023 The Sustainable New Agri-Food Products and Productivity (SNAPP) Program is for northern Ontario agriculture and food producers and businesses. SNAPP will provide up to \$10,000 at 50% cost-share towards the purchase of equipment and/or materials that will result in the creation of innovative food or agricultural products new to the business; enhance productivity and/or improve efficiency or resource use through innovation in the process or technology to improve products or processes; or reduce ecological impact and carbon footprint through innovation in the process or technology while enhancing profitability. For more information please visit the project website at https://rainalgoma.ca/snapp/</p>
	<p>HUNTERS DEER SAMPLE SURVEILLANCE PROGRAM: Government of Ontario Asking for Hunters to Submit Deer Samples for CWD Surveillance Program The government of Ontario is asking hunters to submit deer samples as part of its Chronic Wasting Disease (CWD) surveillance program to allow for early detection of the disease. Hunter samples from harvested deer are critical in Ontario's efforts to detect CWD – a fatal, untreatable brain disease that affects members of the deer family, including white-tailed deer, elk, moose and caribou. In 2022, the ministry will be doing surveillance in three target regions from October until the end of December:</p> <ul style="list-style-type: none"> • Eastern Ontario in Wildlife Management Units (WMUs) 48, 55B, 58 and 59. • Southern Ontario in WMUs: 72A, 72B, 73, 77A, 77B, 77C, 78A, 78B, 78C, 78D and 78E. • Southwestern Ontario in WMUs 90B, 91A, 91B, 92A, 92B, 92C, 92D, 93A, 93B, 93C <p>Please contact your local MNRF office for more information.</p>
	<p>SARPAL PROGRAM to open in March The Species at Risk Partnerships on Agricultural Lands (SARPAL) Program will have a 2023 intake open from March 1 to March 8, 2023. Eligible invoice dates for this intake will be April 1, 2023 to December 15, 2023. NEW for 2023:</p> <ul style="list-style-type: none"> • A limit of 1 submitted application per farm business will be eligible for cost-share funding (for this intake only; projects submitted under previous SARPAL intakes do not count towards this limit). • Eligible delayed haying applications must demonstrate a "high" categorization on the Rating for Grassland Birds self-assessment (see page 12). <p>2023 program details will be posted as soon as they are available, however the 2022 brochure remains a valid resource, and is available at https://www.ontariosoilcrop.org/oscia-programs/sarpal/. If you have questions about the SARPAL program, please contact us at sarpal@ontariosoilcrop.org or 519-826-4214.</p>
	<p>CARROT CACHE GRANTS: Open between December 5th and January 13th, 2022 Carrot Cache is looking to fund food projects that are driven by individuals or groups who are facing systemic barriers and/or lacking funds from other resources to complete projects that improve or create change within the local food system in Ontario. https://www.carrotcache.com/how-to-apply-for-carrot-cache-funding</p>
	<p>FIRST NATION ENVIRONMENTAL CONTAMINANTS PROGRAM Deadline: December 17th, 2022 https://sac-isc.gc.ca/eng/1583779185601/1583779243216</p>



Season's Greetings and a Happy New Year
 from the Lands and Resources and Economic Development Department



Revitalizing the Three Sisters Polycrop System

Invitation to Participate

By Isabelle Germain, AAFC

Do you cultivate corn, beans or squash? If so, you may be interested in participating in a research study being undertaken by Agriculture and Agri-food Canada. Opportunities may include capacity building and local job creation.

Since 2015, the Three Sisters have been studied by a multidisciplinary scientific team from Agriculture and Agri-Food Canada (AAFC) using a value chain approach in collaboration with Indigenous groups. The research team focused on the conservation of plant genetic resources, horticultural production, characterization of harvested products and food processing, in a respectful and open manner of indigenous traditional knowledge and plant genetic material.

Discussions with Indigenous peoples from diverse communities have highlighted the need to approach Indigenous agriculture and agri-food based on the community needs relevant to each nation, particularly from a nutrition and cultural revitalization perspective.

The latest project aims to understand and enhance the cultivation systems based on the Three Sisters and sunflower in the Huron-Wendat community of Wendake (Loretteville, Quebec) mainly related to:

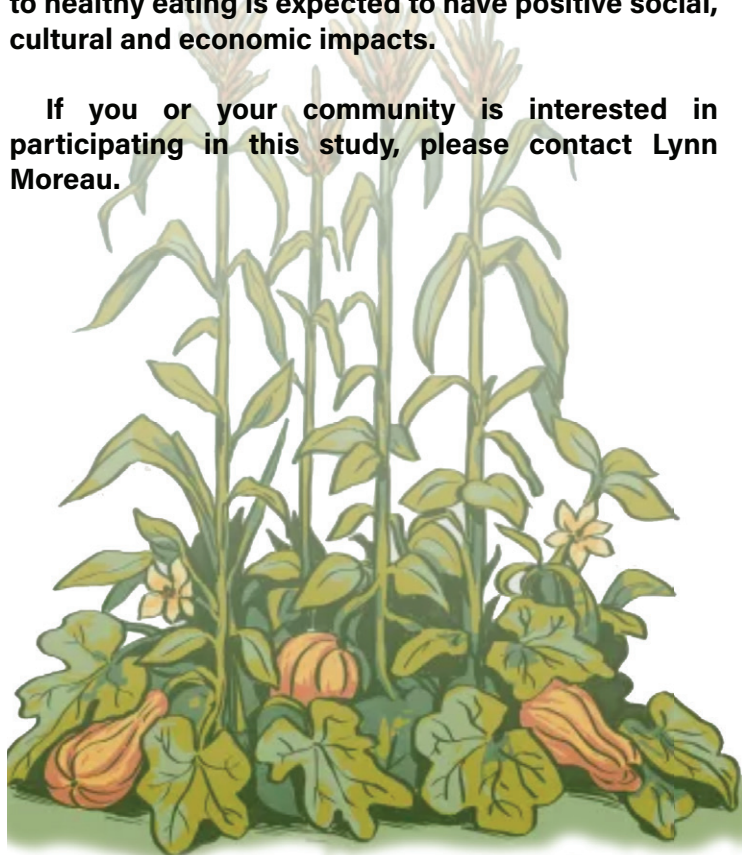
1. a revitalization of dormant ancestral knowledge,
2. an understanding of traditional usage of resources by First Nations
3. food security, and 4) health concerns associated to food.

This project is developed on a horizon of 10 years with the first year in a three year research cycle beginning in 2023. The research aims to retrace, revitalize and preserve the dormant knowledge of the Wendake community associated with heritage varieties of corn, squash, beans and sunflower and to reproduce some culturally appropriate foods (e.g. nixtamalized corn, sagamité, squash and bean dishes, sunflower and pumpkin seed oils) from harvested products, according to ancestral Huron-Wendat bases.

Teams of researchers from AAFC, the University of Manitoba and the University of Guelph located in Vancouver, Manitoba, Ontario and Quebec will study the polyculture of the Three Sisters and sunflower in the fields (soils, agricultural techniques adapted to mounds, entomology, pollination, yield, etc.) in association with their location. The nutritional composition will also be studied and compared to conventional Canadian cultivation and production of certain by-products. Discoveries will be shared amongst the participating communities.

A respectful revitalization of traditional knowledge surrounding the cultivation of heritage varieties of corn, squash, beans and sunflower for food purposes, as well as the contribution of AAFC's agronomic and food processing expertise, can help strengthen future relationships with between First Nations and settler communities. Improving the understanding of Three Sisters-based cultivation systems related to healthy eating is expected to have positive social, cultural and economic impacts.

If you or your community is interested in participating in this study, please contact Lynn Moreau.



UPCOMING EVENTS

ARE YOU CURRENTLY PRODUCING MAPLE SYRUP OR INTERESTED IN LEARNING MORE ABOUT IT?

Join us on Tuesday, December 13 at 7:00 PM for our on-line Maple Syrup Workshop.

Agenda:

Sugar Bush Management: Learn about trimming and thinning for a healthy and sustainable sugar bush. Presented by: Dean Assinewe, Registered Professional Forester, Dean Assinewe Consulting

Advances in Technology: Learn about the advances and benefits of new technology in evaporators, reverse osmosis, filtering, & pipelines. Presented by: Brian Bainborough, From Maple Ridge Farm

To register, or if you have any questions, please email: workshops@indianag.on.ca or call 1-800-363-0329.

JOB OPPORTUNITIES

Indigenous Research Technician

Closing Date: Feb 8 2022

<https://emploisfp-psjobs.cfp-psc.gc.ca/psrs-srfp/applicant/page1800?poster=1805732>



KIIN MIINWAA ENDADIZIWINAN: LANDS & RESOURCES

OVERVIEW

The Lands and Resources Department was established within the Anishinabek Nation in the spring of 2007. Currently, there are four program areas with staffing capabilities. These include: Water Resources, Minerals and Mining, Trapping, and Canada Ontario Resource Development Agreement.

MISSION

The Lands and Resources mission is to foster a better quality of life by ensuring access to natural resources by supporting the goals, values and aspirations of the Anishinabek Nation.

GUIDING PRINCIPLES/CAPACITY BUILDING

By creating opportunities our communities are empowered to increase the natural, technical and financial capacity derived and generated from our lands and natural resources."

Jurisdiction and Treaty Rights - "by building and preserving Anishinabek laws within our territories, communities can continue to assert and exercise jurisdiction, implementing ownership of lands, water and resources."

Access to Lands and Resources - "our communities are strengthened by continuous advocacy efforts to increase access to lands and resources."

<https://www.anishinabek.ca/departments/land-and-resources/>

MNIDOONS GIIZIS (BLUE MOON – BIG SPIRIT MOON) – DECEMBER

The thirteenth moon of Creation is Blue Moon or Big Spirit Moon. Its purpose is to purify us, and to heal all of Creation, a process which may take a three month long spiritual journey. During this time, we receive instructions on the healing powers of the universe and transform into our own vision of the truth.



LYNN MOREAU is a Lands and Resources Program Coordinator with the Anishinabek Nation where she is responsible for the Agriculture Portfolio. Originally from Callander, Ontario, Lynn now lives in Bonfield where she is co-owner of Green Legacy Farm with her husband Dean. Lynn holds an Environmental Science degree from Trent University and a Fish and Wildlife Technician Diploma from Sault College. Lynn can assist with funding application processes and has agricultural experience in vegetable and perennial growing, chicken farming, maple syrup production and aquaculture.

CALL OUT For Youth

Seeking Anishinabek Nation youth from each community to get involved in helping to plan the Youth Forum taking place in January.

The Agriculture Program is seeking interested youth from each community to participate in a Youth planning session for the Youth Forum scheduled for January 2023.

Follow us!



www.anishinabek.ca

For information contact

Email: lynn.moreau@anishinabek.ca

Tel: (705) 497-9127 ext. 2334



Lynn Moreau
Program Coordinator,
Agriculture and Food
Lands and Resources Department

Anishinabek Nation
1 Migizii Miikan
Nipissing First Nation
P.O. Box 711, 1 Migizii Miikan

North Bay, Ontario PIB 8J8
Tel: (705) 497-9127 ext. 2334
Toll Free: 1-877-702-5200
Website: www.anishinabek.ca