

Champlain-Adirondack Biosphere Network



Jim Brangan, LCBP



UNESCO BIOSPHERE RESERVE PROGRAM

- Launched in 1971 by UNESCO
- Intergovernmental scientific program that aims to establish a scientific basis to improve the relationship between people and their environments.
- The World Network of Biosphere Reserves currently has 701 sites in 124 countries all over the world, including 21 transboundary sites.





UNESCO BIOSPHERE RESERVE OBJECTIVES

1. **Conserve biodiversity**, restore and enhance ecosystem services and foster sustainable use of natural resources.
2. Contribute to **building sustainable healthy and equitable societies**, economies and thriving human settlements.
3. Facilitate **sustainability science and education** for sustainable development.
4. **Support mitigation and adaptation to climate change** and other aspects of global environmental change.



United Nations
Educational, Scientific and
Cultural Organization



Man and
the Biosphere
Programme



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

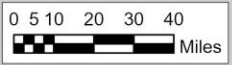
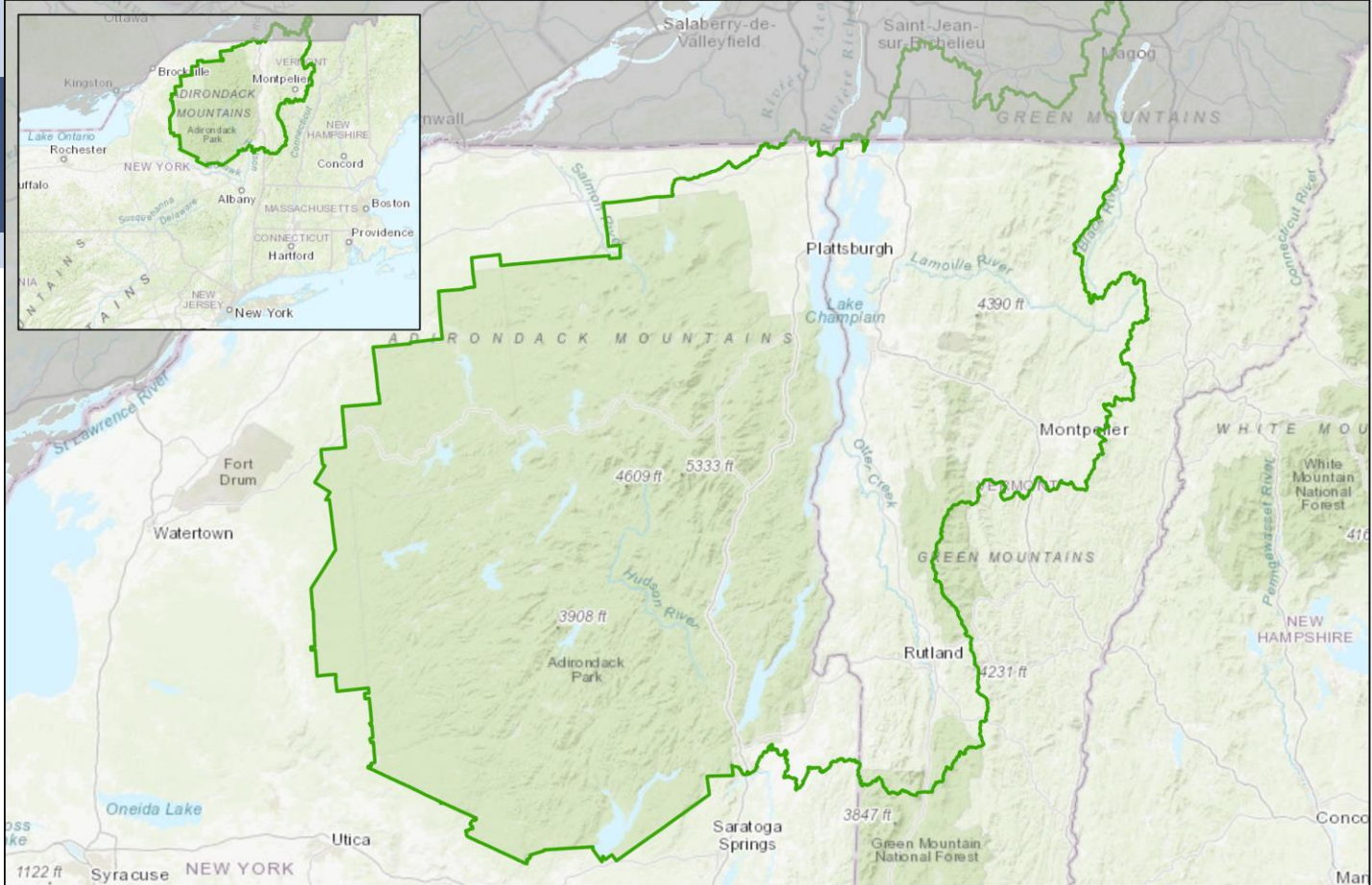
17 PARTNERSHIPS FOR THE GOALS

SUSTAINABLE DEVELOPMENT GOALS



CHAMPLAIN-ADIRONDACK BIOSPHERE NETWORK (CABN)

- Champlain-Adirondack Biosphere Reserve was nominated by the U.S. Department of State for biosphere reserve status
- Awarded biosphere reserve designation in 1989; faced significant resistance from residents due to perceived land use regulations
- Boundaries were established according to a 'bioregion' that consists of the Lake Champlain watershed and entirety of the Adirondack Park
- Total surface area (terrestrial and marine): 3,990,000 ha (9,859,504 acres)
- More than 650,000 full-time residents
- In 1995, CABR was declared "inactive" by the MAB Program



 CABN Area

Champlain-Adirondack Biosphere Reserve





CHAMPLAIN-ADIRONDACK BIOSPHERE NETWORK TIMELINE & MILESTONES



- 2016 UNESCO 10-Year Periodic Review Completed
- 2017 Steering Committee Formed from NY and VT
- 2018 Focus Groups Conducted, International Partnerships and Presentations with UNESCO World Network for MAB, CABR Charter Developed
- 2019 CABN Strategic Plan
- 2019 Frontenac Arch BR Twinning Agreement, Regional and International Partnerships Expand – Lake Champlain Basin Program, ADK Youth Climate Summit, Named Changed to CABN
- 2020 CABN Youth Board, US MAB Network Workshop, CABN Logo and Website Launched

CHAMPLAIN-ADIRONDACK BIOSPHERE NETWORK STEERING COMMITTEE



1. (VT/NY) Co-Chairs: Jim Brangan, LCBP/CVNHP and Kelly Cerialo, Paul Smith's College
2. (VT) Nancy Patch, County Forester, Vermont Dept. of Forests, Parks, and Recreation
3. (VT) Jon Erickson, David Blittersdorf Professor of Sustainability and Science Policy, UVM
4. (VT) Ursula Georgeoglou, Research Specialist, Leadership for the Ecozoic, UVM
5. (VT) Walter Poleman, UVM & Coordinator of Greater Burlington Sustainability Education Network
6. (VT) Emily Alger, Executive Director, South Hero Land Trust
7. (VT) Yuriy Bijun, Director of Shelterwood Systems, UVM
8. (NY/ME) Brian Houseal, Chair of US UNESCO MAB Program
9. (NY) Eric Holmlund, Director of Graduate Studies at Paul Smith's College
10. (NY) Paul Hai, Associate Director, SUNY ESF Newcomb Campus
11. (NY) Jackie Bowen, Conservation Associate, Adirondack Council

International MAB Partners

- Tuscan Emilian Appenino Biosphere Reserve, (Italy)
- Gouritz Cluster Biosphere Reserves, Cape West Coast Biosphere Reserve, Kogelberg Biosphere Reserve (South Africa)
- East Carpathian Biosphere Reserve (Ukraine)
- Mata Atlantica Biosphere Reserve (Brazil)
- Frontenac Arch Biosphere Reserve (Canada)
- Lac St. Pierre Biosphere Reserve (Canada)
- Mont St. Hilaire Biosphere Reserve (Canada)



CHAMPLAIN-ADIRONDACK BIOSPHERE NETWORK 5 YEAR GOALS

1. Coordinate a 'bioregional' approach for CABN to address climate change
2. Inspire and empower youth leaders across the region to support the SDGs
3. Establish CABN as a Collaborative Network; "A network of networks" regionally and internationally – LCBP plays a key role in this effort
4. Create a bioregional version of the Adirondack Common Ground Alliance Conference
5. Research aggregator and originator

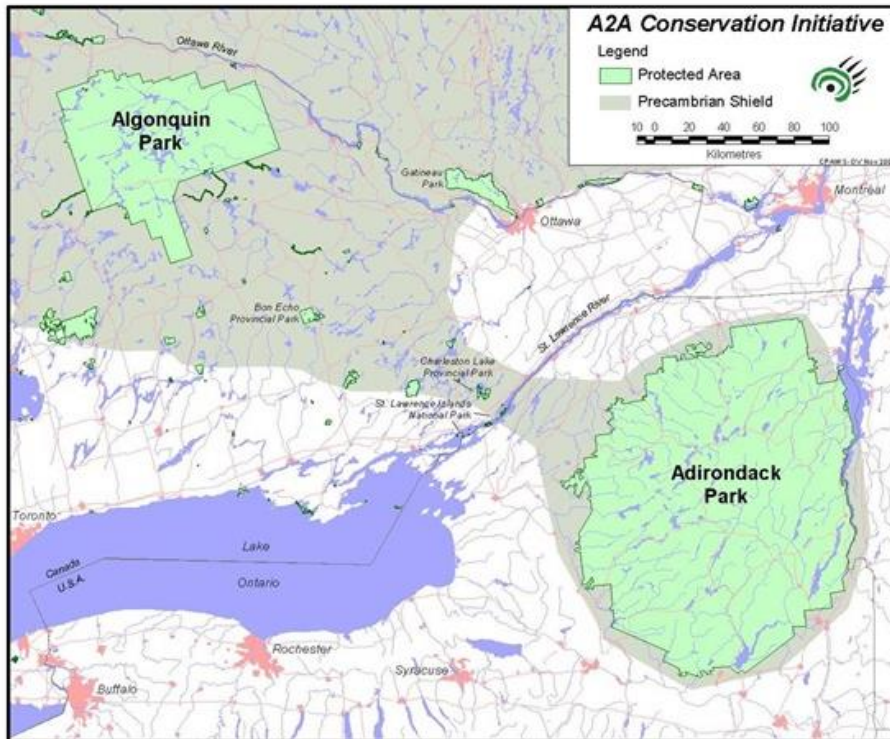


CABN SHORT TERM GOALS & SUPPORT

2021 Champlain-Adirondack Biosphere Network Coordination and Outreach

- The newly reconstituted Champlain-Adirondack Biosphere Network has made progress in addressing the goals of the UNESCO Man and the Biosphere Program and incorporating the efforts of the LCBP with its work.
- Katie Darr is working part-time (.2 FTE) to facilitate CABN efforts and provide coordination and communication with the LCBP Steering Committee and its advisory committees.
- CABN Youth Board has formed, is meeting, and recruiting new members.
- Planning is underway for a CABN Conference on January 12, 2022.
- Efforts to coordinate a 'bioregional' approach to address climate change have begun among SUNY-ESF, Queens College, CABN and Frontenac Arch.

Proposed Biosphere Climate Atlas



Integrative: unite and synthesize existing data

Interactive: maps and data will be online.

Adaptive: a dynamic, updatable 'living resource' online.

Thank You!

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