

## Cecilia Polansky

### *Participatory natural resource inventory, mapping, training English and French including French-to English translation*

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#### Professional experience since 1982:

- *Indigenous forest management plan writing, mapping support*
- *Technical document translation French-English*
- *Timber and nontimber forest product inventory training, data collection, and analysis*
- *Environmental compliance documentation and evaluations*

#### Degrees:

Master of Science in Forest Resource Inventory - 2002 (University of Vermont)  
 Bachelor of Science in Forest Management - 1990 (University of Vermont)  
 Associate in Applied Science in Forest Technology - 1981 (State of Washington)

<p><b>2020</b> <i>12 weeks</i></p>	<p><b>Biodiversity Analysis - Senegal</b> (<i>sponsored by Management Systems International</i>)          In-depth analysis of Senegal terrestrial and aquatic biodiversity and tropical forests to satisfy USEPA legal requirement for referral to issues related to harming natural resources in the course of development work in Health, Education, Agriculture, and Water domains. I headed a team of 4 people who researched dozens of documents and websites to update the picture of natural resources in Senegal and steps that need to be taken to conserve them while providing for human development. We all worked from home using Google Hangouts, Skype, and Zoom.</p>
<p><b>2012, 2019, 2020, 2021</b> <i>18 weeks</i></p>	<p><b>Feed the Future and FFP EMMPs (Senegal, Niger)</b> (<i>NCBA-CLUSA, Connexus, CARE</i>)          Nafoore Warsaaji, Kawolor, Yaajeendé Project Activities Environmental Monitoring and Mitigation Plans with field sheets, submitted after field visits to work sites in Senegal and Niger</p>
<p><b>2018</b> <i>4 weeks</i></p>	<p><b>Cocoa agroforestry shade tree quantification (Liberia)</b> (<i>ACDI-VOCA/FIFES/ Climate Smart Cocoa</i>)          Visited cocoa agroforestry fields to quantify and map timber shade trees for potential valuation as assistance to post-war farmers who need increased production. Assessed potential for forest degradation as a result of low revenues from unsustainable harvesting practices.</p>
<p><b>2016</b> <i>6 weeks</i></p>	<p><b>REDD+ strategy document development (Desk study)</b> (<i>UNDP Congo-Brazzaville, under the direction of a consultant in charge of assembly and final content</i>)  <b>Research and synthesis of Country documents</b> concerning REDD+ compliance, planning, and technical content for a multi-year integrated strategy</p>
<p><b>2013 - July 2016</b></p>	<p><b>Technical specialist on environment, governance, documentation, and M&amp;E (Niger and Burkina Faso)</b> (<i>USAID REGIS-ER resilience project</i>)</p> <ul style="list-style-type: none"> <li>• Database design assistance for monitoring and evaluation data collection and analysis; design and French translations of benchmark indicators and data collection sheets</li> <li>• Governance and local convention natural resource management planning and mapping</li> <li>• Documentation archiving and knowledge management</li> </ul>
<p><b>2010 - 2016</b> <i>8 months cumulative</i></p>	<p><b>Environmental compliance assessments (Senegal, Ethiopia, Niger)</b> (<i>for USAID-funded Agric Projects under CLUSA and International Resources Group</i>)</p> <ul style="list-style-type: none"> <li>• Programmatic Environmental Assessment and IEEs for Feed the Future projects</li> <li>• Environmental Review documentation for various USAID-funded projects</li> <li>• Water quality assurance plan, PERSUAP update, and EMMF for USAID REGIS-ER</li> <li>• Provided basis for environmental indicators in project targets; recommended means to achieve compliance through mitigation plans</li> </ul>

<p><b>2009 - 2011</b> 3 months+</p>	<p><b>GIS and aerial photography utilization consultant (Republic of Congo)</b> (for Winrock International under contract with ITTO) <b>Used data from high-resolution photography</b> for biomass inventory, wildlife conservation support, and forest exploitation monitoring. Proposed and executed scenarios to recuperate work with imagery from initial 2 year,s to calculate biomass/carbon.</p>
<p><b>2006</b> 1 month</p>	<p><b>Forest management certification trainee and assessment team member (Cameroun)</b> (for Smartwood/Rainforest Alliance) <b>Received and utilized training in forest certification;</b> participated in pre-certification assessment in southern Cameroun; wrote a technical report.</p>
<p><b>1993-2003</b> 1 month</p>	<p><b>Participatory inventory specialist (Zambia and Senegal)</b> Agric/NRM Projects, USAID/IRG and NCBA CLUSA)</p> <ul style="list-style-type: none"> <li>• <b>Devised database and data collection sheets</b> for community-based timber and non-timber forest product inventories; trained field teams, analyzed collected data, produced reports</li> <li>• Assessed informational and organizational prerequisites to inventory semi-arid Combretum and vène for co-managed forest products in eastern Senegal</li> <li>• Guided sensitization, GPS, and mapping procedures for moving the field program ahead</li> </ul>
<p><b>1991-1992</b> 2 years</p>	<p><b>State Lands Forestry Technician, Vermont (USA)</b> State Agency of Natural Resources</p> <ul style="list-style-type: none"> <li>• Independently completed multiresource inventories and timber cruises; marked boundaries</li> <li>• Worked with community-based Rails-to-Trails and Conservation Corps</li> <li>• Assessed forest health for national surveys; performed aerial surveys</li> </ul>
<p><b>1988-1989</b> 8 months</p>	<p><b>Forest health decline surveyor (Northeast US)</b> Crew leader, U.S. Forest Service</p> <ul style="list-style-type: none"> <li>▪ Motivated and assisted field crew in identification of disease and decline indicators, physical sampling, location of old plots and installation of new plots for long-term forest health monitoring in remote northeastern forests</li> </ul>

## LANGUAGES:

**ENGLISH:** Native language  
**Spanish:** Basic

**FRENCH:** FSI level 3+ (excellent) written and verbal  
**Hausa, Cinyanja, Wolof:** Limited

## EDUCATION:

2001 **Master of Science in Natural Resources Biometry, University of Vermont, USA (GPA 3.9)**

- ArcInfo and ArcView geographic information systems
- Benefit-cost analysis
- Sample survey design
- Advanced forest biometry

1990 **Bachelor of Science in Forest Management, University of Vermont (GPA 3.9)**

- Environmental law
- Pathology
- Ecology
- Forest Valuation
- Management and linear programming
- Wildlife
- Harvesting

1981 **Associate Applied Science, Forest Technology, Green River College, Washington (GPA 4.0)**

- Practical silviculture
- Aerial photo interpretation
- Surveying

**COMPUTER LITERACY:** Excel, Word, Access, SAS, Power Point, Photo editor, Publisher, ArcView

## OTHER BIODATA:

**Membership:** Society of American Foresters, Green Mountain Division, secretary and historical archives 1998; Intl Society of Tropical Foresters; Episcopal Church; WWF; Dakar Women's Group; American Translators Association (French - English)

**Awards:** Green River College Outstanding Student, 1981; Susan Whitmore writing award, Adams Academic, and Sigma Xi Academic Achievement awards, 1990; Outstanding Student Poster Award, SAF/Boise-Cascade Conference on Integrated Tools for Inventory 1998.

## DOCUMENTS AND PUBLICATIONS:

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### ARTICLES

- 2004: Polansky, C. and J. Heermans. Developing forest management plans with high-tech tools and traditional knowledge in Zambia. *Journal of Forestry*, 101 (5) 46-51.
- 2003: Polansky, C. Participatory Forest Management in Africa: Lessons Not Learned. *Intl. Journal of Sustainable Development and World Ecology*, 10 (2003) 109-118.
- 1996: Polansky, C. Utilization of Human Experience in lieu of Raw Statistics in Estimating Tree Volumes in Benin, West Africa. Statistical methods course (Univ. of Vermont) and Student poster presentation 1998 at Boise-Cascade/USFS Integrated Tools for Inventory in 21<sup>st</sup> Century. 10 pages.

### MEDIA PRESENTATIONS

- 1995, 2003, 2008: Brochures and slideshows for Benin, Zambia, Senegal forestry programs (Eng/French).
- 1985-87: Scripts in French for two 12- minute, and one 30-minute, videotaped productions of Sahel forestry themes: inventory plot methods and natural forest mgmt. Acted as producer.

### MANUALS

- 2008: Guide d'Elaboration du Plan d'Aménagement Forestier Participatif. USAID-Wula Nafaa Program. BP 25-740, Dakar-Fann, Senegal. 46 pages.
- 2002-06: Guide to Low-Cost Forest Resources Inventory in Dry Tropical Forests of Africa. USAID/ Washington, Lusaka; Winrock Intl. 84 pages. [www.ladyforester-tech.org/PptyInvManualPage.html](http://www.ladyforester-tech.org/PptyInvManualPage.html)

### TECHNICAL REPORTS

- 2015-16: Water Quality Assurance Plan for USAID | REGIS-ER (Niger and Burkina Faso); PERSUAP pesticide review
- 2013-16: Editing, formatting, and archiving of numerous technical reports and manuals for conservation agriculture, gardening, NRM, and health topics and periodic reports for USAID | REGIS-ER
- 2014: IEE amendment and EMMP for USAID | REGIS-ER agriculture and irrigation activities
- 2012: YAAJEENDE ACTIVITIES: SCREENING and EMMP-BASED ON 2009 AMENDMENT TO USAID'S 2006 INITIAL ENVIRONMENTAL EXAMINATION FOR STRATEGIC OBJECTIVE 11, and on other USAID and applicable Environmental Publications
- 2011: ENVIRONMENTAL SCREENING FORM, ENVIRONMENTAL REVIEW REPORT, AND AMENDMENT TO THE INITIAL ENVIRONMENTAL EXAMINATION OF USAID AGRICULTURAL PORTFOLIO IN 21 COUNTRIES OF WEST AFRICA REGION (targeting activities and grants of the ARZIKI Project in Niger)
- 2010: Programmatic Environmental Assessment of Agricultural Feed the Future programs - Senegal PEA etc.: contribution of the Affected Environment chapter for assessment completed by T. Catterson
- 2009: 2ème Atelier USAID-Wula Nafaa Réflexion sur les Chimpanzés 23 Avril 2009 à Kédougou. Compilation of reports, maps, data, workplans into working document. 39 pgs. USAID-Wula Nafaa Program, Senegal.
- 2009: Inventory data analysis program for local sawtimber forests based on Access. USAID-Wula Nafaa.
- 2007: (In English and in French) Recommendations concerning inventory of timber, fuelwood, and nontimber products and charcoal species regeneration for Areas of Wula Nafaa Intervention in Eastern and Southern Senegal. USAID-Wula Nafaa Program. BP 25-740, Dakar-Fann, Senegal. 57 pages.
- 2005: Mapping and Inventory Results for Nyamphande Natural Resource Management Area Directly Addressing Issues of Timber and Nontimber Forest Products (Data Collection 2003-2004). 60 pages - tables, graphs, recommended follow-up activities.
- 2004: (with John Heermans) Overview of the Forestry Sector in Western Province, Zambia. USAID Mission/ Zambia Trade and Investment Enterprise, Lusaka. 60 pages.
- 2002: Report of Field Encroachment Census results for Chiulukire Local Forest. 8 Pages with graphs, tables, and recommendations for followup actions.
- 2002: Potentially Commercial Nontimber Forest Products: Submission From CLUSA-Natural Resources Management Programme, Chipata, Zambia.
- 2002: Edited Beekeeping and Comb Collection Training Module for co-operative honey program in Zambia.
- 2001: Mise en Ordre et Suivi du Plan de Coupe et d'Activités de Cogestion dans les Forêts d'Intervention du Projet Elargi de Gestion des Ressources Naturelles, Guinée. USAID/PEGRN, Conakry. 25 pgs.
- 2001: Preliminary Quantification And Valuation Of Traditional Charcoal Producing Operations - Mini Case Study For Chiulukire Local Forest. CLUSA and Zambia Forestry Department, Chipata. 10 pages.
- 2001: Compiled document on Non-Timber Forest Product Markets in Katete. CLUSA/ Zambia Forestry Dept.
- 2000: Forest Inventory in the Context of Co-Management of Guinea's Forêts Classées. Technical mission report. USAID/PEGRN, Conakry. 31 pages.
- 2000: Scenarios for revenue-sharing in jointly-managed Chiulukire Local Forest. CLUSA/USAID discussion paper. 5 pgs.
- 2000: How stratification reduces sampling variance. USAID/CLUSA/CARE contract, Zambia. 8 pp.