

# JOHN VITO MAGISTRO

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## SKILLS SUMMARY

- 25 years experience in international economic development – topical expertise in smallholder agriculture, food security, river basin development and water resources management, microenterprise and smallholder market development, biodiversity conservation, environment and natural resources management, conflict analysis and mitigation, gender analysis, and global climate change.
- Over 10 years of technical experience in applied and academic grant writing, program management, project design, and strategic planning.
- Over 15 years of social science analysis and anthropological research.
- 5 years of experience in monitoring & evaluation.

## CONSULTING EMPLOYMENT HISTORY

### **MAY-JUL 2007 TANGO International, Tucson, AZ.**

- Nine week consultancy for the World Food Program in Namibia to design a pilot electronic voucher food assistance program for two target groups: 1) Orphans and Vulnerable Children (OVC), and 2) HIV/AIDS patients on anti-retroviral therapy (ART). Activities included extensive stakeholder interviews with government representatives in the ministries of health, child welfare, disaster relief, agriculture, and regional and local government and housing, and a broad array of civil society and private sector institutions to build support for a pilot voucher program. Managed data collection and quantitative assessment involving household and retail vendor surveys on consumer food preferences, market access, and voucher implementation capacity. Designed survey instruments and managed a team of eight field enumerators.

### **OCT-NOV 2006 TANGO International, Tucson, AZ.**

- Eight week consultancy for the British Red Cross to manage a food security cash distribution program for Tuareg and Fulani pastoral communities severely affected by drought in north central Niger (Tanout District). Activities included preparation and management of a \$1.7 million budget, recruitment of senior delegate staff (finance, administration, logistics, communications), project planning and design, stakeholder meetings, and weekly and end of mission reporting.

### **MAR-APR 2006 TANGO International, Tucson, AZ.**

- Five week consultancy for Concern Worldwide (Dublin, Ireland) to conduct a livelihoods assessment in Tahoua and Illela districts of eastern Niger. Training of 11 Nigerien host nationals in qualitative research methods and household level data collection. Conducted household surveys on livelihood security, adaptation strategies, indigenous vulnerability classification, and social institutional analysis in 20 villages using semi-structured questionnaires and participatory focus group discussion methodologies.

### **SEPT 2005 – JAN 2006 INTERNATIONAL DEVELOPMENT ENTERPRISES, Lakewood, CO.**

- Methodology development and regional assessment for implementation of a smallholder market intervention framework (PRISM – Poverty Reduction through Irrigation and Smallholder Markets). Included institutional analysis of potential partner institutions, and application of GIS (Geographic Information Systems) as an analytical tool for regional scoping. Two month field visit to three Sahelian countries (Senegal, Burkina Faso, Mali), and three Greater Horn countries (Kenya, Uganda, Ethiopia). Donor: IDRC (International Development Research Centre).

### **1995-1996 UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT, Washington D.C.**

- Short term consulting assignments to Senegal, Niger, and Madagascar mission programs to assess the participatory nature of sectoral policy reform in non-project assistance support (NPA). Work covered analysis of agricultural and financial sector policy reforms.

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## PROFESSIONAL EXPERIENCE

### 2006 – Present ASSOCIATE RESEARCH SOCIAL SCIENTIST

*BUREAU OF APPLIED RESEARCH IN ANTHROPOLOGY, University of Arizona, Tucson, AZ.*

Responsible for management of a USAID-funded web portal ([www.nrmre.org](http://www.nrmre.org)) and development of research grants to support growth of the international development studies program within BARA.

### 2000-2005 DIRECTOR, PLANNING AND IMPACT ASSESSMENT

*INTERNATIONAL DEVELOPMENT ENTERPRISES (IDE), Lakewood, CO.*

Responsible for program design, planning, fund mobilization, and monitoring/evaluation procedures for an international NGO.

- Conceptualized, obtained funding for, implemented and conducted monitoring & evaluation of grant-based project activities relevant to IDE's mission of smallholder market development and promotion of microirrigation technologies.
- Responsible for program coordination, project reporting and dissemination of IDE state-of-the-art practice on supply/value chain analysis, and small farm microenterprise development.
- Assisted Secretariat office and field programs in conceptual design and operationalization of a market-based smallholder poverty alleviation model (PRISM - Poverty Reduction through Irrigation and Smallholder Markets).
- Key Achievement: lead grant writer successful in obtaining 5/7 grants from the US Agency for International Development totaling \$4.7 million over a five-year period.
- Used field data and program results to assist in formulation of IDE's new strategic plan and organizational restructuring.

### 1997-2000 ADVANCED STUDIES PROGRAM POSTDOCTORAL RESEARCH FELLOW

*NATIONAL CENTER FOR ATMOSPHERIC RESEARCH, Boulder, CO.*

Two year postdoctoral research position on global climate change, sponsored through the Environmental and Societal Impacts Group.

- Conducted applied research on human adaptation to climatic variability and vulnerability to anomalous climate events such as drought and flooding in African river basins.
- Conducted a case study, based on doctoral research, including two months of data collection in the Senegal River Valley, to examine human response to processes of land-use/land-cover transformation and changes in the hydrological cycle resulting from impoundment by the Manantali Dam (Mali).
- Key Achievement: published four academic journal articles on climate variability and vulnerability in the Senegal River Basin.

### 1996-1997 SENIOR PROGRAM OFFICER - AFRICA & MADAGASCAR PROGRAM

*BIODIVERSITY SUPPORT PROGRAM/WORLD WILDLIFE FUND, Washington, D.C.*

Responsible for planning, development, and implementation of regional program management activities supporting biodiversity conservation in Africa. Activities included:

- Development of an analytical framework (CARPE) on deforestation, biodiversity loss, and global climate change in the central African tropical forests.
- Program design and implementation of a policy initiative on sustainable resource livelihoods and biodiversity (Sustainable Use Initiative – SUI).
- Administrative oversight of a small grants program supporting community-based social assessment methodologies that examine the relationship between human behavior and natural resource conservation and management (BEHAVIORS).
- Administration of a human resources development activity that supports training and curriculum development for protected area conservation managers in east and southern Africa (PARKS).

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## 1994-1996 AAAS SCIENCE, ENGINEERING AND DIPLOMACY FELLOW

UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT, Washington, D.C.

Assisted the Africa Bureau, Office of Development Planning (AFR/DP/POSE) in the formulation of operational guidelines and coordination of strategy in three programmatic areas:

1. Participation in sectoral policy reform -- a cross-sectoral analysis of mission programs in non-project assistance support (NPA) to develop more effective modalities of participation by host-country individuals and institutions (NGOs, etc);
2. Gender and structural adjustment -- assessment of gender considerations that can be more effectively factored into the design, implementation, and impact monitoring of economic reform programs initiated by the Bureau;
3. Dispute resolution and conflict analysis -- technical assistance and case study analysis of the relationship between processes of environmental degradation, natural resource management and human conflict.
  - Provided technical assistance mission support in NPA, gender analysis, agriculture/natural resource management, and conducted mission field visits to Madagascar, Niger, and Senegal.
  - Key Achievement: drafted and co-authored an interagency strategic plan and report on African confliction resolution (*Africa Conflict Resolution Interagency Plan*) to the United States Congress and National Security Council, White House.

## 1993-1994 SENIOR RESEARCH ASSISTANT

INSTITUTE FOR DEVELOPMENT ANTHROPOLOGY, Binghamton, NY

Senior graduate student assistant conducting social science analysis of USAID projects in Africa.

- Assisted in data analysis and writing of a final project report, Phase II of the Senegal River Basin Monitoring Activity (SRBMA), involving anthropological research carried out in Senegal, West Africa from 1990 to 1992.
- Undertook a literature review of social science approaches toward integrated pest management (IPM) in Africa examining anthropological perspectives, methodological issues, and socioeconomic dimensions involved in indigenous pest management strategies.
- Key Achievement: joint authorship of a monograph book in French (*Les Barrages de la Controverse: Aménagement de la Vallée du Fleuve Sénégal*) involving two years of doctoral research funded by USAID under the Senegal River Basin Monitoring Activity.

## 1990-1991 TEACHING ASSISTANT/UNIVERSITY FELLOW

DEPT. OF ANTHROPOLOGY, SUNY-BINGHAMTON, Binghamton, NY

- Directed weekly discussion sections for 35 undergraduate students in introductory anthropology; prepared and evaluated class examinations; supervised student projects and papers.

## 1988-1990 SENIOR RESEARCH ASSISTANT

INSTITUTE FOR DEVELOPMENT ANTHROPOLOGY, Binghamton, NY

Field coordinator and researcher for the Senegal River Basin Monitoring Activity project in Senegal, West Africa.

- Responsible for field operations, project accounting, quarterly reporting and supervision of a nine-member Senegalese-French-American research team.
- Undertook a two-year study of the social, environmental and economic impacts of high dam construction (Manantali, Mali) on a seasonal wetland habitat and diversified array of farming, fishing, and herding livelihoods, located downstream in the Middle Senegal River Valley.
- Undertook a detailed study of irrigated rice agriculture and the sociology of village-based user groups. Carried out a comparative modified cost benefit analysis between rice production and floodplain production systems (farming, fishing, and herding).

## 1985-1988 TEACHING ASSISTANT

DEPT. OF ANTHROPOLOGY, SUNY-BINGHAMTON, Binghamton, NY

- Directed weekly discussion sessions for 30-40 undergraduate students in introductory anthropology and linguistics; prepared and evaluated class examinations; supervised student projects and papers.

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## 1980-1984 PEACE CORPS VOLUNTEER

*UNITED STATES PEACE CORPS, Benin, West Africa*

- Technical coordinator responsible for the design and implementation of a national biomass energy conversion technology program (improved fuelwood cookstoves) in Benin, West Africa.
- Supervised training of host country personnel and Peace Corps volunteers in cookstove technology.
- Solicited and obtained 3 project grants from international donors and administered allocation of funds.

## 1976-1979 CASEWORKER IN CHILD ABUSE AND NEGLECT

*RICHLAND COUNTY CHILDRENS SERVICES, Mansfield, OH*

- Served as child advocate providing supportive counseling, caseload management, and social services to families of abused and neglected children.

## 1974-1975 CARPENTER'S APPRENTICE

*THORVALD ESPELAND, Finnøy, Norway*

- Resided with a Norwegian family and served as an apprentice carpenter in the construction of Norwegian summer cabins.

## EDUCATION

- 1994      **PH.D. ANTHROPOLOGY**  
SUNY-BINGHAMTON, Binghamton, NY
- 1988      **M.A. ANTHROPOLOGY**  
SUNY-BINGHAMTON, Binghamton, NY
- 1974      **B.A. HISTORY**  
MIAMI UNIVERSITY, Oxford, OH
- 1972      **FOREIGN LANGUAGE SEMESTER ABROAD - BOLOGNA, ITALY**  
UNIVERSITY OF MASSACHUSETTS, Amherst, MA

## AWARDS

- 1997-1999    Advanced Studies Program Fellow - National Center for Atmospheric Research
- 1994-1996    American Association for the Advancement of Science -- Science, Engineering and Diplomacy Fellow
- 1994      Blaustein Fellowship, The Jacob Blaustein Institute for Desert Research  
Ben Gurion University of the Negev, Israel
- 1988      Social Science Research Council, Africa Program Dissertation Fellowship Research Grant
- 1985      SWANA (Southwest Asia North Africa) Fellowship, Dept. of Anthropology, Binghamton University.

## LANGUAGES

French (fluent); Norwegian (very good); Portuguese (limited conversational/reading); Italian (limited conversational/reading); Haalpulaar (limited conversational), American Sign Language (limited fluency).

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## ADDITIONAL TRAINING

- 1998 Center for the Study of Institutions, Population, and Environmental Change. Summer Institute, May 18- June 5, 1998, Indiana University, Bloomington, IN.
- 1995 Frontiers in Peacebuilding: Strategies for Building Peace. May 22-26, 1995. Eastern Mennonite University, Harrisonburg, VA.
- 1994 International Conflict Resolution Skills Training for Foreign Affairs Professionals. Oct. 20-23, 1994, United States Institute of Peace, Potomac, MD.

## PUBLICATIONS, MONOGRAPHS AND PROFESSIONAL PAPERS

### Books

- 1995 (with Muneera Salem-Murdock, Madiodio Niasse, *et al.*)  
*Les Barrages de la Controverse: Aménagement de la Vallée du Fleuve Sénégal*. Paris: Harmattan.

### Book Reviews

- 1999 *Living Under Contract: Contract Farming and Agrarian Transformation in Sub-Saharan Africa*. Peter D. Little and Michael J. Watts (eds.) Madison: University of Wisconsin Press, 1994. In *Journal of Political Ecology*, 6.
- 1999 (with Environmental and Societal Impacts Group, NCAR)  
*Human Choice & Climate Change: An International Assessment. Vols. 1-4*. Steve Rayner and Elizabeth L. Malone (eds). Columbus, OH: Battelle Press, 1998. In *Bulletin of the American Meteorological Society*, 80 (7):1441-1443.
- 1998 *Famine Crimes: Politics and the Disaster Relief Industry in Africa*. Alex de Waal. Bloomington: Indiana University Press, 1997. In *American Anthropologist*, 100(3):844-845.

### Articles

- 2007 (with André Bassolé, Elizabeth Weight)  
*The Application of GIS as an Assessment and Planning Tool for Smallholder Irrigation Market Development: A Case Study from the West African Sahel*. In *Information Development* 23(2/3): 137-150.
- 2007 (with Michael Roberts, Steve Haagblade *et al.*)  
*A Model for Pro-Poor Wealth Creation through Small-Plot Irrigation and Integrated Service Provision*. Conference Proceedings, IWMI Regional Workshop and Policy Roundtable on “Pro-Poor Intervention Strategies in Irrigated Agriculture in Asia.” 25-27 August, 2004. Colombo, Sri Lanka. In *Irrigation and Drainage* Vol. 56.2
- 2001 (with Medou Lo)  
“Historical and Human Dimensions of Climate Variability and Water Resource Constraint in the Senegal River Valley.” In *Climate Research*, 19:133-147.

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- 2001 (with Carla Roncoli)  
"Anthropological Perspectives and Policy Implications of Climate Change Research." In *Climate Research*, 19:91-96.
- 2000 (with Carla Roncoli)  
"*Global Science, Local Practice: Anthropological Dimensions of Climate Variability.*" *Practicing Anthropology*.
- 2000 "Climate Variability and Crop Failures: The Role of Biodiversity in Smoothing Household Consumption in the Northern Senegal Wetlands." In Proceedings for the START/WCRP/SCOWAR workshop on "Climate Variability, Water Resources and Agricultural Productivity: Food Security Issues in Tropical Sub-Saharan Africa." July 22-25, 1997 Cotonou, Benin
- 1999 "The Politics of Ethnic Conflict in a Transboundary Context, the Senegal River Valley." In *Deadly Developments: Capitalism, States and War*. Stephen P. Reyna and R. E. Downs, eds. The Netherlands: Gordon and Breach, pp. 177-211.
- 1997 "The Ecology of Food Security in the Northern Senegal Wetlands." In *The Ecology of Practice: Studies of Food Crop Production in Sub-Saharan West Africa*. A. Endre Nyerges, ed. The Netherlands: Gordon and Breach, pp. 97-133.
- 1997 "An Emerging Role for Applied Anthropology: The Practice of Conflict Management and Dispute Resolution." *Practicing Anthropology*. Winter.
- 1994 "Aus Fehlern lernen: Ethnische Konflikte um Land im Senegaltal." *Der Ueberblick*, 30:15-18.
- 1993 "Crossing Over: Ethnicity and Transboundary Conflict in the Senegal River Valley." *Cahiers d'Etudes Africaines*, 130, XXXIII-2: 201-232.
- 1992 "Dams and Development: The View From Below." In *Common Descent: Uniting Theory and Practice in Anthropology*. Jennifer Astone and Matthew J. Richard, eds. Binghamton, NY: Abzakh Press, pp. 221-267.

### Working Reports

- 1996 "Africa Bureau Experience in Non-Project Assistance: From Participation to Ownership." (Report prepared for USAID/Africa Bureau).
- 1996 "Stakeholder Analysis of Participation in the Senegal Rice Structural Adjustment Program (RSAP)." (Report prepared for USAID/Africa Bureau).
- 1996 "Participation in Agricultural Sector Policy Reform in Niger: Best Practices, Lessons Learned." (Report prepared for USAID/Africa Bureau).
- 1995 USAID, Department of State, USIA, DOD, ACDA  
*Africa Conflict Resolution Interagency Plan*. (Co-authored report to the United States Congress and National Security Council, White House).
- 1995 (with Wayne Snyder and Roger Jantio)  
*Gender Participation and Financial Sector Development in Madagascar: The Caisse d'Epargne*. (Consulting report prepared for USAID/Africa Bureau).
- 1994 (with Peter Little)  
*The Missing Link: An Anthropological Assessment of IPM Theory and Practice in Africa*. Binghamton, NY: Institute for Development Anthropology.

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- 1993 (with Muneera Salem-Murdock, Madiodio Niasse, *et al*).  
*Senegal River Basin Monitoring Activity II: Executive Summary*. Binghamton, NY: Institute for Development Anthropology.
- 1991 (with Madiodio Niasse and Christophe Nuttall)  
"Research Context." In *Senegal River Basin Monitoring Activity, Phase I: Final Report*. Michael M Horowitz *et al*. Binghamton, NY: Institute for Development Anthropology, pp.70-81.
- 1991 \_\_\_\_\_.  
"Methodology." In *Senegal River Basin Monitoring Activity, Phase I: Final Report*. Michael M Horowitz *et al*. Binghamton, NY: Institute for Development Anthropology, pp. 82-110.
- 1991 \_\_\_\_\_.  
"Social Organization and Elements of Transition in Haal Pulaar Society in the Middle Valley." In *Senegal River Basin Monitoring Activity, Phase I: Final Report*. Michael M Horowitz *et al*. Binghamton, NY: Institute for Development Anthropology, pp. 111-126.
- 1991 \_\_\_\_\_.  
"Agriculture and Herding in Household Production Strategies." In *Senegal River Basin Monitoring Activity, Phase I: Final Report*. Michael M Horowitz *et al*. Binghamton, NY: Institute for Development Anthropology, pp. 129-206.
- 1991 \_\_\_\_\_.  
"The Role of Irrigated Agriculture in the Production Systems of the Middle Valley." In *Senegal River Basin Monitoring Activity, Phase I: Final Report*. Michael M Horowitz *et al*. Binghamton, NY: Institute for Development Anthropology, pp. 207-256.
- 1991 \_\_\_\_\_.  
"Household Budgets and Granary Stocks." In *Senegal River Basin Monitoring Activity, Phase I: Final Report*. Michael M Horowitz *et al*. Binghamton, NY: Institute for Development Anthropology, pp. 257- 268.
- 1989-1990 *Senegal River Basin Monitoring Activity, Phase I: Activity Progress Reports I-V*. Binghamton, NY: Institute for Development Anthropology.

## PRESENTATIONS AT PROFESSIONAL MEETINGS

- 1999 "Variable Climate and Vulnerable Peasants: Historical and Human Dimensions of Water Resource Constraint in the Senegal River Valley." (Panel Co-Organizer; Paper presented at the 1999 Annual Meeting of the Society for Applied Anthropology, April 20-25, Tucson, Arizona).
- 1997 "Climate Variability and Crop Failures: The Role of Biodiversity in Smoothing Household Consumption in the Northern Senegal Wetlands." (Paper prepared for the START/WCRP/SCOWAR workshop on "Climate Variability, Water Resources and Agricultural Productivity: Food Security Issues in Tropical Sub-Saharan Africa." July 22-25, 1997 Cotonou, Benin.
- 1996 "The Agriculture-Biodiversity Nexus: An Alternative Model for Development Conservation of a Wetland Mosaic in the Senegal River Valley." (Paper prepared for the 39th Annual Meeting of the African Studies Association, Nov. 23, 1996, San Francisco, CA.)
- Roundtable - Questioning NGO Interventions for Nature Protection in Africa. (Roundtable discussant, 39th Annual Meeting of the African Studies Association, Nov. 23, 1996, San Francisco, CA.)

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- 1995 "Food Insecurity and Rice Market Reform in the Senegal River Valley." (Panel Co-Organizer; Paper prepared for the 94th Annual Meeting of the American Anthropological Association, Nov. 17, 1995, Washington, D.C.).
- 1994 "Food and Conservation: Policy Paradigms for Development in the Senegal River Valley Wetlands." (Paper prepared for the 93rd Annual Meeting of the American Anthropological Association, Dec. 4, 1994, Atlanta, Georgia).

### ADDITIONAL PROFESSIONAL ACTIVITIES

- 2005 Course Instructor, *Designing a BDS Intervention to Reach Small Hold Farmers*. Southern New Hampshire University, Microenterprise Development Institute, Manchester, New Hampshire. June 27 – July 1, 2005.
- 1999 Program Committee Member, 1999 Annual Meeting of the Society for Applied Anthropology, Tucson, AZ.
- 1996 Program Committee Co-Chair for Development, 1996 Annual Meeting of the Society for Applied Anthropology, Baltimore, MD.
- 1995-96 SFAA Liason, Washington Association of Professional Anthropologists.

### COMPUTER/SOFTWARE SKILLS

Word, Access, Excel, Power Point, Visio, Microsoft Outlook.