

# ICT FOR A GLOBAL SUSTAINABLE FUTURE

How ICT can durably contribute to the wellbeing of all citizens around the world



**International Conference**  
European Commission – Brussels  
January 22 – 23, 2009

## Biography

**Session 3: The role of ICT to ensure a global sustainable future**  
**Session chair: Mario Campolargo**  
**Day 1 - January 22, 2009**

## Frantz VERELLA

### Key Qualifications:

Frantz Verella is a Haitian economist and engineer with over 25 years of experience in economic, industrial and infrastructure development, and in finance. He has worked with the Haitian government and private sector, and international organizations, on infrastructure rehabilitation.

### Work Experience:

Jul. 06 – Aug 08 Ministry of Public Works, Transportation, Communications (Haiti) – *Minister-*

- Defined the Government's policies in infrastructure and urban development sectors

**Mar. 04 – Jul 06 Ministry of Economic Finance - *Advisor and Director for IADB Financed Project***

- Managed a 75 millions \$US project for infrastructure rehabilitation in Haiti reconciling the objective of urban development with taking account of major risks. Prepared urban planning program for several cities including Jacmel and Gonaives and flood zone emergency plans for reducing vulnerability in urban areas.

**Dec. 02 – Dec 03 Centre National d'Equipements (CNE) *Consultant***

- Defined policies for reengineering the Centre National d'Equipements. Increased productivity and quality, reduced unit costs, improved service delivery within resource constraints including training, systems reengineering, activities based budgeting and costing, measuring outputs against standards and workplans, benchmarking against the private sector and rewarding of teams through performance based contracts.

**May 01 – Dec 02 Centre pour la Libre Entreprise et la Démocratie *Consultant***

- Worked for the Forum 2000 Program established jointly by the Haitian “Centre pour la Libre Entreprise et la Démocratie” (CLEDE) and USAID to foster ideas on the necessary initiatives to enhance competitiveness in Haiti. Forum findings outlined the mandatory pillars of competitiveness. They included an alliance between numerous dynamic enterprises, the administration, and a civil society, to encourage the self-organization of social groups and the cooperative resolution of conflicts. They further included an open external-market strategy which combines classical investment attraction, and micro and macro-stabilization measures, with institution reinforcement to favor a common vision on fundamental issues such as social cohesion, human resource development, infrastructure improvement, creation of support structures for financial market, innovation and enterprise creations,

and knowledge-based technologies. These findings are published in a book in May 2003.

Sept. 01 – Dec 01

- Prepared a strategic document for the three most important Haitian players in the clothing industry to enhance Haiti international competitiveness. Studied, using Michael Porter's diamond-shaped model, the constraints on sector development and international competition threat. Derived a strategy for enhancing sector competitiveness.

Sept. 99 – July 06      **DESS *Director* - College of Applied Sciences, University of Haiti.-**

- Charged with developing and managing the Masters Degree Program in Databases and Systems Integration (MBDS). Primary program objective satisfies demand, in industrial skills, for complementary profiles of database architects, including database administrator functions, and database engineers.
- Charged, also, with developing training programs in financial engineering for the banking sector in Haiti.

Jan. 96 - Mai. 99

**Central Bank of Haiti - Advisor -**

- Trained students and professionals in the specific areas of microeconomic theory of banking, econometrics and time series, computer science and dynamic macroeconomics within an ambitious program of upgrading the skills of new and existing middle-management personnel. The program recruited, each year, valedictorians of the State University to receive scholarships for studies abroad following completion of an extensive training program. Program fellows were successfully placed at varied illustrious universities in the US, in the French "Grandes Ecoles" and in varied financial and

administrative fields.

Jan. 95 - Nov.95

**The World Bank and Affiliates - Executive Director's Assistant -**

- Improved the policy dialogue with Haiti, and, all members of its constituency. Established policy reforms aimed at opening up trade and changing state role. Special emphasis was placed on overall macroeconomic management, incentive structures, and institutional contexts that stress performance and negate corruption.
- Also advised on the organizational structures and the coordination systems most effective in reducing poverty and improving quality of life.

Mar.- Jul. 94

**Port pricing policy in the Caribbean**

- Undertook study to identify key factors that result in below par service cost ratios, relative to the rest of the world, at different Caribbean ports including those of Barbados, Trinidad and Jamaica.
- Recommended means to significantly increase, both in the short and in the long term, service to cost ratios at the previous ports.

Nov.-Dec. 93

**Solid Waste Management Program in Port-au-Prince, Haiti**

- Assessed the management, the collection and the disposal of solid waste, in Port-au-Prince, Haiti, within the context of an Infrastructure Emergency Recovery Program. Reviewed the existing regulatory framework and the capacity of the private sector in the management of solid waste. Pinpointed the critical issues the new

government will confront in setting any tariff policy and prepared a program of solid waste management.

Feb.-Sept. 93

**Emergency Economic Recovery Program for Haiti**

- Appointed, by the Prime Minister of Haiti, to prepare a memorandum of economic policies for the medium term that served as a basis for an Emergency Economic Recovery Program to deploy over the long term. Later program provided a broad framework for a coordinated approach by donor nations, and delimited the key policy actions required in the short term.

May-Dec.92

**Inter-American Development Bank - Transportation and Environmental Engineering Consultant**

- Prepared the guidelines of an Environmental Impact Assessment and of a Traffic Mitigation Study for the South Cost Sewerage project conducted in Barbados under the Ministry of Public Works, Communication and Transportation.
- Briefly assessed the Road Transport Sector and reviewed the Terms of Reference for the preparation of the National Transport Plan of Barbados. (The Socioeconomic Report for Trinidad and Tobago provided the analytical basis for the Inter-American Development Bank's operational program in Barbados.)
- Prepared chapters of the World Bank Report on Infrastructure, Transportation and Environment that identify and analyze the critical problems faced by these areas, and their impact on the functioning and efficiency of the overall economy
- Prepared and Air Transport and Investment Program for Jamaica that addressed terminals' design and rehabilitation, expansion of ramp cargo facilities, and

roadway system reconstruction. Also addressed Air Transport Sector restructuring and investigated the potential role of private sector participation.

- Designed project abstract for a financial strengthening and institutional reform of the National Water Commission, the public agency in charge of water supply in the City of Kingston, Jamaica

Feb.-Sept. 91

**Ministry of Public Works, Transportation, Communications (Haiti) – Minister-**

- Defined the Government’s policies in infrastructure and urban development sectors
- Developed a long-term strategic plan that:
  1. initiates strategies for maintenance and the rehabilitation of water supply, electricity, urban sanitation, and transportation networks;
  2. improves management, and service delivery, of public utilities by redefining their mandate and establishing guidelines for a contract management;
  3. improves the sectors’ regulatory and supervisory framework;
  4. increases cost efficiency; and
  5. reduces technical losses and increasing service coverage.

1989-1990

**Electricité d’Haiti (largest utility in Haiti) - Information Systems Coordinator**

- Upgraded and implemented, in a fourth generation language (SPEED), a data base management information system. Defined privileges, contingency plan and maintenance policy for both hardware and software and routinely used Wang VM

environments.

- Published “Guidelines for the design and implementation of a new management information system at Electricity of Haiti”.

**1988**

**Centre de Calcul de L’Ecole des Ponts et Chaussées (Paris)**

**Trained as system engineer and data base administrator on VAX-RDB and ORACLE.**

- Designed information systems and performed various engineering and system programming tasks in both algorithmic and list processing languages for programs related to structural mechanics, finite differences and expert systems. Acquired computer skills in different operating system environments (DEC/VMS,SUN/VIEW,WANG/VM,UNIX,DOS) and different languages (Pascal,C,LISP).

**1985-1987**

**Civil Engineering Department of the State University of Haiti, Department Head**

- Reorganized programs and curricula.
- Taught various courses and led seminars in applied industrial economics, analytical methods in economics. Published “Marginal costs and pricing of electricity in Haiti”.
- Directed all administrative and project development activities of 30 professors in three areas: construction engineering, transportation and urban development. Led different projects in transport economics, transportation engineering, and natural monopoly regulation.

**Education:**

- Ph.D. Candidate in Economics, University of Maryland 1996.
- MS. in Engineering Mathematics, (Ecole Nationale des Ponts et Chaussées, France) **1979**
- B.S. (license) in Applied Mathematics and Physics (Faculté des

Sciences, Haiti) 1975