Assefa Admassie

Ethiopian Economic Association/Ethiopian Economic Policy Research Institutes

P. O. Box 34282 Addis Ababa

Ethiopia

Ph. (251) 11 645 3091 or 911 233865 (mobile)

Fax: (251) 11 645-3329

e-mail: <u>aadmassie@yahoo.com</u> or <u>aadmassie@eeaecon.org</u>

EDUCATION

1991 - 1994	PhD Student at the University of Hohenheim, Germany Graduated
	with Ph.D. Degree in November 1994.
1983 - 1987	Post Graduate Students at the Addis Ababa University. Graduated
	with an M.Sc. degree in Economic Development and Planning.
1972 – 1979:	Undergraduate Study at the Addis Ababa University. Graduated
	with a B.Sc. degree with major in Statistics and minor in Economics
	in 1979
Other Courses:	a) Certificate of participation in the impact evaluation training
	workshop organized by the World Bank, 2003.
	b) Certificate of Participation in a course on Project Preparation in
	Stuttgart (Germany).
	c) Certificate on the proficiency of the German Language.
	d) Certificate of participation in a course on Project Preparation and
	Analysis in Addis Ababa organized by the GTZ in September 1996.
	e) Certificate of Achievement for contributions in the Regional
	Technical Workshop on Measuring Human Development in 2007.

ACADEMIC AND ADMINSTRATIVE APPOINTMENTS

3.1. August 2004 to date	Executive Director; Ethiopian Economic Policy Research Institute (EEPRI) at EEA and Adjunct Associate Professor at the Addis Ababa University.
3.2. February 1, 2002 – August 2004	Associate Professor at the Addis Ababa University, Department of Economics
3.3. October 1 1998 to February 28, 2002	 a) Senior Research fellow at the Center for Development research – University of Bonn. b) Coordinator of the Economics Doctoral Program at the Centre for Development Research (ZEFb) c) Coordinator of the Doctoral Seminars at the ZEF d) Supervisor of Research Assistants
3.4. Nov. 1995 to September 1998	 a) Department Head, Addis Ababa University - Department of Economics b) Assistant Professor - Addis Ababa University, Department of Economics

3.5. Feb. 1995 to November 1995

- c) Coordinator of the MA program in Regional and Local Development Studies (RLDS) at the Addis Ababa University.
- a) Senior Economist at the Metaferia Consulting Engineers P. l. C.
- b) Coordinator for the training course on Water Harvesting Techniques organized for CRDA employees
- c) Coordinator for the household socio-economic survey for the Sheraro and Tahtay Adiabo Agricultural Development Study and undertaking of the statistical analysis of the survey.
- a) Assistant Registrar at the Alemaya University of Agriculture
- b) Lecturer Alemaya University of Agriculture Lecturer & Graduate student at the Addis Ababa University, Department of Economics
- *a)* Assistant Lecturer at the College of Agriculture Alemaya
- **b)** Administrator and Coordinator of the Continuing Education Program in the College of Agriculture Alemaya.
- a) Graduate Assistant at the College of Agriculture Alemaya
- a) Student Pilot Ethiopian Airlines
- b) Statistical Clerk Ethiopian Airlines

3.6. From 1988 to 1990:

3.7 From 1983 to 1987.

3.8. From 1981 to 1983

3.9. From 1979 to 1981

3.11. From 1977 to 1978

RESEARCH INTERESTS

- Climate Change issues
- Human Resource Economics
- Child Labour and Education
- Agricultural Economics (efficiency, finance, and agricultural extension)
- Information Communication Technology and Economic Development
- Economic Governance

COMPLETED RESEARCH ACTIVITIES

REFREED JOURNAL ARTICLES PUBLISHED

- 1. **Assefa Admassie**, Degenet Abebaw and Andinet Delelegn, (2009) Impact Evaluation of the Ethiopian Health Extension Program **Journal of Development Effectiveness**, 1(4), 430-449
- 2. **Assefa Admassie,** Degnet Abebaw and Andinet Delelgn, (2009) Impact Evaluation of the Ethiopian Health Services Extension Program: a Non Experimental Approach, GDN Working Paper, Number 22.
- 3. **Assefa Admassie** (2006), The Implications of Asset Ownership on Child Work in Rural Ethiopia, the **Ethiopian Journal of Economics**, Vol. 11 Number 2, Pp 25-58.

- 4. Abay Asfaw, Joachim von Braun, **Assefa Admassie** and Johannes Jutting (2004), The Economic Costs of Illness in Low Income Countries: The Case of Rural Ethiopia, **Quarterly Journal of International Agriculture** vol. 43 (3) pp. 247-266.
- 5. Abay Asfaw and **Assefa Admassie**, (2004) The Role of Household Member's Education on the Adoption of Agricultural Inputs under Different Environments in Ethiopia, **Agricultural Economics**, Vol. 30 (3) pp. 215-228.
- 6. **Assefa Admassie** (2002), Explaining the High Incidence of Child Labour in Sub Saharan Africa' **African Development Review**, Vol. 14(2).
- 7. **Assefa Admassie** and Francis Matambalya, (2002), Technical Efficiency in Small and Medium Scale Enterprises: Evidences from a Survey of Enterprises in Tanzania Easter Africa. **Eastern Africa Social Science Research Review,** Vol.18 (2).
- 8. Assefa Admassie, (2003), Child Labour and Schooling in the Context of a Subsistence Rural Economy: Can they be Compatible? International Journal of Educational Development, Vol.23 (2). In 2002, this paper was among the top 10 downloaded papers from the IJED's website
- 9. Beyene Taddesse, **Assefa Admassie** and Andre Croppenstdent (2000), The Impact of Agricultural Extension on Farm Productivity, **Ethiopian Journal of Agricultural Economics**, Vol. 4(1&2).
- 10. **Assefa Admassie** (1999) Sources of Efficiency differentials in smallholder agriculture, **Quarterly Journal of International Agriculture**, vol. 38 (3)
- 11. **Assefa Admassie** and Abay Asfaw, (1996) The Impact of Education on Allocative and technical Efficiency of Farmers: The case of Ethiopian Small Holders. **Ethiopian Journal of Economics**, Vol. 5 (1).
- 12. **Assefa Admassie** and Franz Heidhues (1996) Estimation of Technical Efficiency of Farmers in the Central Highlands of Ethiopia. **Ethiopian Journal of Agricultural Economics**, Vol. 1 number 1.
- 13. **Assefa Admassie** (1989) Some Factors Influencing Agricultural Credit Use among Peasant Farmers in Ethiopia: A Case Study of Two Districts. **The Ethiopian Journal of Development Research**, Vol. 11 (1)

CHAPTERS IN BOOKS/BOOK REVIEWS

- 1. Arjun Bedi and Assefa Admassie (2009) Attending School, Learning, and Child Work in Ethiopia" in The World of Child Labor: An Historical and Regional Survey, edited by Hugh D. Hindman, M.E. Sharpe, New York., pp. 265-267.
- 2. Assefa Admassie, Berhanu Adenew and Abebe Tadege (2008), Perceptions of Stakeholders on Climate Change and Adaptation Strategies in Ethiopia, IFPRI Research Brief 15-6, Washington D.C.
- 3. Assefa Admassie and Arjun Bedi (2008), Attending School, Reading, Writing and Child Work in Rural Ethiopia in Jose Maria Fanelli and Lyn Squire, Economic Reforms in Developing Countries: Reach, Range and Reason, Edward Elgar, Cheltenham.
- 4. Assefa Admassie (2007), Development Policies and their Implications to Rural Urban Linkages in Ethiopia: Opportunities and Challenges in Gete Z., P. Trutman and Aster D. (eds) Proceedings of a Planning Workshop on Thematic Research Area of the Global Mountain Program August 2006.
- 5. Assefa Admassie and Arjun Bedi (2005), Attending School, Two Rs and Child Work in Rural Ethiopia, in Alemayehu Seyoum et al (eds), Proceedings of the Second International Conference on the Ethiopian Economy, Ethiopian Economic Association.

- 6. Assefa Admassie (2004), ICTs for Effective Decentralization at the Woreda (District) Administrative Level, Ethiopia, in Ben Soltane, et al (Eds.), Africa Networking: Development Information ICTS and Governance, Economic Commission for Africa.
- 7. Assefa Admassie (2004) Implications of Poverty on Child Work in Rural Ethiopia in Alemayehu et al (Eds.), Proceedings of the First International Conference on the Ethiopian Economy, Vol. III, May 2004.
- 8. Assefa Admassie (2004), New Pro-poor Policies and Budgeting in the Ethiopian Education Sector in Tassew Woldehanna and Walter Eberlei (Eds.) Pro-poor Budgeting and the Role of Parliament in the Implementation of PRSP in Ethiopia, Addis Ababa.
- Assefa Admassie (2003) Implications of Household Assets and Improved Agricultural Practices for Child Work in Rural Ethiopia in Mulat et al (eds). Technological progress in Ethiopian Agriculture, Addis Ababa.
- 10. Mulat Demeke, Alemu Mekonnen, Assefa Admassie and Dejene Aredo (2003) (eds) Technological Progress in Ethiopian Agriculture. Proceedings of the National Workshop on Technical Progress in Ethiopian Agriculture Nov, 29- 30 2001, Addis Ababa
- 11. Assefa Admassie (1996) "The Development of Small Scale Enterprises in Region 14 viz. a viz. Other Regions", In Wolday Amha et al (eds). Proceedings of the Sixth Annual Conference on the Ethiopian Economy Ethiopian Economic Association.
- **12. Assefa Admassie** (1996) "The Agricultural Extension System as an Instrument of Innovation Transfer: The Performance of the System in Ethiopia", in Franz Heidhues and Andrea Fadani (eds.) **Food Security and Innovations: Successes and Lessons Learned**. Peter Lang.
- 13. Assefa Admassie Book Review (1996), Famine and Food Security in Ethiopia: Lessons for Africa, Patrick Webb and Joachim von Braun, John Wiley and Sons Chichester, 1994, Quarterly Journal of International Agriculture, Vol. 35 (2) April June 1996.

OTHER COMPLETED RESEARCH

- 1. Deginet Abebaw, Andinet Delelegn and Assefa Admassie (2007) Determinants of Child-Educational Performance in Rural Ethiopia.
- Assefa Admassie, Gebrehiwot Ageba and Mulat Demeke (2005), Rural Finance in Ethiopia: Assessment of the Financial Products of Microfinance Institutions, Association of Ethiopian Microfinance Institutions, Occasional Paper number 12, Addis Ababa, January.
- **3. Assefa Admassie** and Gezahegne Ayele (2004): Adoption of Improved Technology in Ethiopia, **Research Report, Number 11I**, Ethiopia Development Research Institute.
- 4. Assefa Admassie, (2002): Allocation of Children's Time Endowment between Schooling and Work in Rural Ethiopia, **ZEF Discussion Paper on Development Policy**, Number 44, February Bonn.
- 5. Assefa Admassie, (2000): The Incidence of Child Labour in Africa with Empirical Evidences from Rural Ethiopia, **ZEF Discussion Paper on Development Policy**. Number 32, October 2000, Bonn.
- 6. Assefa Admassie (1995) Analysis of production Efficiency and the use of Modern Technology in Crop production: A Study of Smallholder in the Central Highlands of Ethiopia, PhD Dissertation published in Arbeiten Zur Agrarwirtschaft in Entwicklungslandern. Wissenschaftsverlag Vauk Kiel.

- 7. Assefa Admassie (1987): A Study of the Factors that Affect the Use of Agricultural Credit among Peasant Farmers in Ethiopia: The Case of Two Districts. Unpublished MS.C. Thesis submitted to Addis Ababa University.
- **8. Assefa Admassie** and Berhanu Adenew (2007) Stakeholders Perception to Climate Change, **Research Report**, Ethiopian Economic Association/Ethiopian Economic Policy Research Institute.
- **9. Assefa Admassie** and Teketel Abebe, The contribution of Faith based Organizations to Development.

WORK IN PROGRESS

- **1. Assefa Admassie**, Deginet Abebaw and Andinet Delelegn, Impact Evaluation of the Ethiopian Health Extension Service.
- **2.** Degenet Abebaw and **Assefa Admassie** "The Demand for Curative Care: Empirical Evidence from Rural Ethiopia.

PROJECT REPORTS

- 1. Mulat Demeke, **Assefa Admassie**, Lishan Adam, Asmare Emire, Wondwossen Tadesse, Adugna Alemayehu and Habtamu Neda (2008) Promoting Electronic Commerce for Development in Ethiopia: Issues, Challenges and Road Map.
- 2. **Assefa Admassie** and Woubalem Taye (2007) The Role of ICTs in Enhancing Trade and Economic Growth in Ethiopia. **Research Report** submitted to UNECA
- 3. **Assefa Admassie** and Berhanu Adenew (2006) Study on the Situation of Children and Adolescents in Several Coffee Growing Areas of South-western Ethiopia, **Research Report**, Ethiopian Economic Association, September
- 4. Tegegne Gebre Egziabher, **Assefa Admassie**, Kassahun Berhanu and Mehret Ayenew (2004), Monitoring Progress towards Good Governance in Ethiopia Research Report, Addis Ababa University and United National Economic Commission for Africa, Addis Ababa, July.
- 5. Mamo Kebede, Wanna Leka and **Assefa Admassie** (1998) Provision of Non Formal Alternatives for the Expansion of Educational Services, Ethiopian Social Sector Study Report. Policy and Human Resource Development Project.
- 6. Wolday Amha, Mulat Demeke, Dejene Aredo and **Assefa Admassie**, (1998) Strategy to Encourage Private Investment in Education and Training, Ethiopian Social Sector Study Report. Policy and Human Resource Development Project.

SELECTED PAPER PRESENTATIONS

- 1. Improving Market Access to End Extreme Hunger and Poverty in Africa, paper presented at the International Conference on Taking Action for the World's Poor and Hungry People in Beijing, October, 2007
- 2. Stakeholders Perception to Climate Change and Adaptation Strategies, paper presented for the workshop on How can African Agriculture Adapt to Climate change: Insights from Ethiopia, Addis Ababa, September, 2007
- 3. Determinants of Child Educational Performance in Rural Ethiopia paper presented at the Fifth International Conference on the Ethiopian Economy, Addis Ababa, June 2007
- 4. Relevance and Contribution of Research to National Development- AAU's Role Paper Presented on the AAU Strategic Planning Conference, Addis Ababa, November, 2006

- 5. The Role of Information and Communication Technology (ICT) in Facilitating Trade in Ethiopia paper presented on Regional Conference on the fifth session of the Committee on Development Information (CODI V), Addis Ababa, May 2007
- 6. The performance of Agricultural Finance in Ethiopia: Pre and Post Reform Periods,, International Conference on Macroeconomic, Agrarian Change and Poverty Reduction, Addis Ababa, December 2004.
- 7. Attending School, Two R's and Child Work in Rural Ethiopia, fifth GDN Conference, New Delhi, 2004. (First Prize Winner Paper).
- 8. ICTs for Effective Decentralization: A Pilot Study in Selected Woredas (Districts) in Ethiopia. Third Meeting of the Committee on Development Information (CODI), ECA, 10 17 May 2003, Addis Ababa.
- 9. The Implication of Household Assets on Child Work in Rural Ethiopia, Addis Ababa, January 4, 2003.
- 10. Social and Economic Factors Affecting Child Labour and School Attendance in Rural Ethiopia, Addis Ababa University, 2001.
- 11. The Allocation of Children's Time Endowment between Schooling and Work in Rural Ethiopia, CSAE, Oxford University, 2001.
- 12. Market Oriented Reform, Poverty and Income Distribution: A Review with Special Reference to Agriculture and the Rural Sector, IAAE, Berlin 2000.
- 13. Improved Agricultural Practices, Asset Ownership and Child Time Use Decisions in Rural Ethiopia, ZEF, 2001.
- 14. Child Labour, Poverty and Schooling in Sub Saharan Africa. African Youth Foundation, Bonn, 2000.
- 15. The Incidence of Child Labour in the Rural Economy of Ethiopia: Some Statistical Evidences, ZEF, 1999.

TEACHING ACTIVITIES

Addis Ababa University

From February 1, 2002 - July 15 2004

- a) Research Methods for Economists
- b) Quantitative Methods I and II
- c) Introduction to Econometrics
- d) Project Planning and Analysis
- e) Development Planning and Analysis

From Nov. 1995 to September 1998

- a) The Ethiopian Economy
- b) Principles of Economics
- c) Research Methods for Economists
- c) Quantitative Methods I and II
- d) Introduction to Econometrics

University of Bonn – Center for Development Research, Germany October 1998 to January 2002.

- a) Quantitative Development Policy Analysis for M.Sc. students
- b) Econometrics for ph. D. candidates of ZEF.

University of Hohenheim - Guest Professor

a) Applied Econometrics for Development Policy Analysis

Alemaya University

From 1979 to 1981 and from 1988 to 1990

a) Introduction to Econometrics.

- b) Agricultural Project Planning and Analysis.
- c) Agricultural Credit and Finance.
- d) The Ethiopian Economy
- e) Introduction to statistics
- f) Statistical Methods for Economists
- g) Biometry

ACADEMIC SUPERVISION ACTIVITIES

I have supervised the following students when they were writing their post graduate theses both at the Addis Ababa University and at the University of Bonn.

- 1. Tamiru Demeke, The Behavior and Dynamic of the real Exchange Rate of the Birr after the Economic Reform, M.Sc. Thesis.
- 2. Beyene Taddesse, The Impact of Agricultural Extension on Maize Production: A Case Study of SaSakawa Global 2000 Extension Project, M.Sc. Thesis
- 3. Biruk Gezahgne Household Demand for Improved Sanitation Services: A Contingent Valuation Study on Addis Ababa, M.Sc. Thesis
- 4. Admassu Shibru, Economic Analysis of Conserving Wild Coffee Genetic Resource in Southwestern Ethiopia, PhD Dissertation, Co supervisor
- Tofik Mohammed, Relative Unit Labour Cost, International Competitiveness and Export: The Case of Ethiopian Textile, Leather and Footwear Manufacturing Industries, M.Sc. Thesis
- 6. Bilusuma Bushe, Determinants of Child Poverty in Urban Ethiopia, M.Sc. Thesis
- 7. Sisay Regassa, The Effect of Income Variability on the Allocation of Child Time: Empirical Evidence from Rural Ethiopia, M.Sc. Thesis
- 8. Amare Teklu, The Effect of Tenure Security and Land Fragmentation on Productivity and Investment in Smallholder Agriculture: Evidence from Tiyo Woreda, Arsi, Ethiopia, M.Sc. Thesis.
- 9. Abay Asfaw, The Impact of Education on Allocative and Technical Efficiency of Farmers: The Case of Ethiopian Smallholders, M.Sc. Thesis

In addition, I had supervised more than 30 Undergraduate students when they were writing their senior research projects at the Addis Ababa University, Department of Economics

SELECTED SHORT-TERM COURSES RECENTRLY OFFRED

- 1. Training on governance, democracy and human rights organized by the Ethiopian Economic Policy Research Institute, 2004.
- 2. Offered the Education module of the training on Pro Poor Budgeting organized by the Ethiopian Parliament, 2003.
- 3. Conducted a one week training on Research Methodology for CBE staff, 2003.
- 4. Conducted a course on Project Planning for Regional development workers, 2003.
- 5. Conducted the course on Econometrics for EEA members organized by the Ethiopian Economic Association, 2002.
- 6. Offered a one-week short-term course on "Agricultural Policy Analysis" for the Amhara Region agricultural experts in 1996.

- 7. Offered the module on Project Planning and Programming in the Training program on Gender and Development organized by CRDA, 1997
- 8. Offered the module on Research Methodology and Quantitative Techniques for OAU staff, 1996.

SELECTED SURVEYS UNDERTAKEN

The following are some of the surveys that I have organized and undertaken independently and together with other colleagues.

- 1. Survey of Rural Credit on Two Woredas from the Central Highlands, 1987
- 2. Cattle Marketing Survey in Alemaya Woreda, 1989.
- 3. Survey of Technical Efficiency of Farm Households in Two Woredas of the Ethiopian Central Highlands, 1992
- 4. Household Socio-Economic Survey for the Sheraro and Tahtay Adiabo Agricultural Development Study in Tigray Region, 1996
- 5. Survey on the Provision of Non Formal Alternatives for the Expansion of Educational Services, 1997.
- 6. Baseline Survey of Nine Woredas in the Amhara National Regional State, 1998
- 7. Fifth Round Rural Household Survey of the Department of Economics, 1999/2000.
- 8. Survey of ICT use at Woreda level, 2002.
- 9. Survey on the performance of Rural Finance in Ethiopia, 2004.

ADVISORY/CONSULTANCY ACTIVITIES

2008

I have served in various Academic and Administrative standing and ad-hoc Committees in the different organizations that I have worked.

In addition, I have been involved in a number of consultancy assignments over the years. The assignments often involved evaluation of development projects/ programs, surveys, as well as training of development workers and experts. Some of the multilateral organizations that I had worked for included:

Consultant for the Sida Amhara Rural Development Project, Impact

	Assessment of SARDP.			
2007	Consultant for the German Technical Cooperation (GTZ), Sustainable			
	Utilization of Natural Resources for Improved Food Security (SUN-Program)			
2007	Consultant for the Swedish International Development Agency (Sida),			
	Monitoring and Evaluation of the Amhara Sida Rural Development Project			
2006	Consultant for the Economic Commission for Africa (ECA), The Role			
	Information and Communication Technology (ICT) in Facilitating Trade in			
	Ethiopia.			
2005	Consultant for the African Development Bank, External Reviewer of the			
	African Economic Outlook.			
2003	Consultant for Economic Commission for Africa (UN- ECA), Monitoring			
	Progress towards Good Governance in Ethiopia.			
2002	Consultant for the Economic Commission for Africa (UN- ECA),			
	Information and Communication Technology Needs in Selected Woredas			
	(Districts) in Ethiopia: a Pilot Study.			

2002	Consultant for the ILO/IPEC, Evaluation of the SIMPOC Program in
	Ethiopia.
2001	Consultant for Food and Agriculture Organization (FAO), Market Oriented
	Reform, Poverty and Income Distribution: A Review with Special Reference to
	Agriculture and the Rural Sector.
1998	Consultant for the Swedish International Development Agency (SIDA),
	Base Line Survey in Nine Woredas of the Amhara National Regional State, 1998.
1997	Consultant for the World Bank, Survey on the Provision of Non Formal
	Alternatives for the Expansion of Educational Services
1997	Consultant for the Economic Commission for Africa (UN- ECA), Social
	Benefit Analysis for Selected Sub Saharan African Countries.
1996	Consultant for the Organization of African Unity (OAU), Training on
	Research Methodology.

I had also provided consultancy service to several local and international NGOs such as the Christian Relief Development Agency (CRDA), Save the Children – UK, Fredrich Ebert Stiftung, GTZ, Plan International, the African Child Policy Forum, the Association of Ethiopian Micro-finance Institutions (AEMFI), etc.

OTHER PROFESSIONAL SERVICE

Refereed papers for the Ethiopian Journal of Economics, the Quarterly Journal of International Agriculture, The Ethiopian Journal of Development Studies, and The Ethiopian Journal of Agricultural Economics.

AWARDS and HONOURS

2004	Awarded first prize for outstanding research at a research competition
	sponsored by the Global Development Network (GDN).
1991	Scholarship award for Doctoral Studies, University of Hohenheim,
	Germany.

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS:

- Member of the Editorial Board of Ethiopian Journal of Development Research.
- Member of the Executive Committee of the Ethiopian Economic Association
- Member of the Society of Agricultural Economists of Ethiopia.
- Member of the International Association of Agricultural Economists (IAAE)
- Member of the Committee for Electives in the Collaborative Master's Program (AERC)
- Member of the Academic Board for the Collaborative Ph.D. Program (AERC)
- Chairman of the Program Evaluation Committee, Academic Board of AERC.

COMPUTER KNOWLEDGE:

- Word processor: Microsoft Word
- Statistical Programs: SPSS, LIMDEP, STATA
- Spreadsheet Programs: Lotus, Excel.
- Graphic Programs: Freelance Graphics and Power Point.

LANGUAGES KNOWLEDGE

LANGUAGE:	SPEAKING	READING	WRITING	
Amharic English	Excellent Excellent	Excellent Excellent	Excellent Excellent	
German	very Good	Very good	Good	
French	Fair	Fair	Fair	

REFERENCES

- 1. Joachim von Braun, Director General of the International Food Policy Research Institute (IFPRI) 2033 K Street, NW Washington D.C. 20006-1002. USA. Tel: (1 202) 862 5600, e-mail: J.von-Braun@cgiar.org
- 2. Dr. Mulat Demeke, Associate Professor at the Addis Ababa University, Department of Economics.
- 3. Dr. Wolday Amha, Executive Director, Association of Ethiopian Micro Finance Institutions (AEMFI).