# **2014 WORLD FOOD PRIZE KANSAS YOUTH INSTITUTE PAPER**

**CONFRONTING THE SINGLE GREATEST CHALLENGE IN HUMAN HISTORY** 

# **INTRODUCTION TO THE ISSUES**

"Now, 50 years after the beginning of the Green Revolution, we again need Dr. Borlaug's legacy and leadership. For in the coming decades we must confront the single greatest challenge in all human history: whether we can sustainably feed the more than 9 billion people who will be on our planet by the year 2050. Greater than going to the moon; greater than preventing nuclear war; greater than curing cancer, I would argue it is the most difficult issue we've ever confronted."

 World Food Prize President Amb. Kenneth Quinn in his Keynote at the United Nations World Food Day Observance in New York, November 23, 2013

#### **BACKGROUND**

2014 is the United Nation's International Year of Family Farming (IYFF), and it is also the year in which people across the globe will celebrate the 100th anniversary of the birth of Iowa native Dr. Norman Borlaug, renowned Nobel Peace Prize Laureate and World Food Prize founder. Throughout his life and career as a scientist and humanitarian, Dr. Borlaug advocated that attaining global food security would require effective solutions, technologies and policies for the world's smallholders. Fittingly, his poignant final words were, "Take it to the farmer."

In today's world, almost 1 billion people – 1 out of every 7 – go to bed hungry every night. There are strong, direct relationships among poverty, agricultural productivity, and food security. About 70% of the world's poor live in rural areas, especially in Africa and Asia. The majority of these poor subsist on about 450 million smallholder farms (five acres or less). The most critical and immediate improvements in the livelihoods of smallholders can be achieved through agriculture-led economic growth and improved nutrition and health. As rural farmers and urban gardeners are able to grow and access more and better food, improved diets and health, higher family incomes, and improved livelihoods result. Families with the financial resources to escape extreme poverty rarely suffer from chronic hunger; while poor families not only suffer the most from chronic hunger, they are also the segment of the population most at risk during food shortages. Therefore, raising incomes through improvements in agricultural productivity and food availability will then directly benefit the poor.

Volatile climate effects like higher temperatures, extreme weather events, increased frequency and duration of flooding and droughts, increased carbon dioxide levels, rising sea levels, and increased spread of plant diseases can have significant negative impacts on agricultural productivity. Shifting trends in agricultural production driven by these effects will most likely impact the world's poorest countries in Africa and Asia, threatening the ability of smallholder farmers to overcome hunger and malnutrition.

Successful technologies and policies for enabling smallholder farmers to overcome hunger and poverty by increasing agricultural productivity will then have to be adapted to local climatic circumstances, guided by the farmers themselves, and more readily available to them by appropriate means.

# WHAT IS FOOD SECURITY?

Food security is when people do not live in hunger or fear of starvation. Food insecurity exists when people are undernourished as a result of the cost or physical unavailability of food and adequate nutrition. Worldwide, more than 925 million people – one seventh of the world population – are without enough food to eat on a regular basis and six million children die of hunger annually. Two billion people face sporadic food insecurity throughout the year, and there are 22 countries, 16 of which are in Africa, where more than one-third of the population is malnourished.

# **How to Write Your Research Paper**

**Your Mission:** Select ONE developing country (see Step 1) and ONE of the key factors affecting food security (see Step 2) as the focus of your research. You will then prepare your paper using the guided questions (see Step 3), presenting your research findings and recommendations for increasing food production and availability in ways that improve food security and household livelihoods in your chosen country.



# STEP 1. SELECT ONE OF THE COUNTRIES BELOW AS THE FOCUS OF YOUR RESEARCH:

**Example:** If you consider the **Indian Subcontinent**, your research will focus on a factor affecting food security in ONE of these countries: **Bangladesh**, **Bhutan**, **India**, **Maldives**, **Nepal**, **Pakistan** or **Sri Lanka** 

North Africa: Algeria, Canary Islands (Spain), Egypt, Libya, Morocco (including Western Sahara), Tunisia

**Central Africa:** Angola, Cameroon, Central African Republic, Chad, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Sudan, South Sudan, Zambia

**East Africa**: Burundi, Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Malawi, Mauritius, Mayotte, Mozambique, Reunion, Rwanda, Seychelles, Somalia, Tanzania, Uganda

West Africa: Benin, Burkina Faso, Cape Verde islands, Côte d'Ivoire, The Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, São Tomé & Príncipe, Senegal, Sierra Leone, Togo

Southern Africa: Botswana, Lesotho, Namibia, South Africa, St. Helena (U.K.), Swaziland, Zimbabwe

Caribbean: Anguilla (U.K.), Antigua & Barbuda, Bahamas, Barbados, Bermuda (U.K.), Cayman Islands (U.K.), Cuba, Dominica, Dominican Republic, Grenada, Guadeloupe, Haiti, Jamaica, Martinique (France), Montserrat (U.K.), Netherlands Antilles, Puerto Rico (U.S.), St. Kitts & Nevis, St. Lucia, St. Vincent & the Grenadines, Trinidad & Tobago, Turks & Caicos (U.K.), Virgin Islands (U.K., U.S.)

**South America Tropical:** Bolivia, Brazil, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Venezuela

South America Temperate: Argentina, Chile, Falkland Islands (U.K.), Uruguay

Central America: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama

Indian Subcontinent: Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

**East Asia:** China, Hong Kong S.A.R. (China), Japan, Democratic People's Republic of Korea (North), Republic of Korea (South), Macao S.A.R. (China), Mongolia, Taiwan

**Southeast Asia:** Brunei, Darussalam, Burma (Myanmar), Cambodia, East Timor, Indonesia, Lao People's Democratic Republic (Laos), Malaysia, Philippines, Singapore, Thailand, Vietnam

Central Asia: Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan

Middle East: Bahrain, Cyprus, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syrian Arab Republic, Turkey, United Arab Emirates, Yemen

**Eastern Europe:** Albania, Armenia, Azerbaijan, Belarus, Bosnia/Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Georgia, Hungary, Latvia, Lithuania, Macedonia, Moldova, Poland, Romania, Russia, Serbia, Montenegro, Slovakia (Slovak Republic), Slovenia, Ukraine

**South Pacific:** Christmas Island, Cook Island, Federated States of Micronesia, Fiji, French Polynesia (Tahiti), Guam, Kiribati, Marshall Islands, Nauru, New Caledonia, Niue, Northern Mariana Islands, Palau, Papua New Guinea, Pitcairn, Samoa, American Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu, Wake Island, Wallis & Futuna

# STEP 2. SELECT ONE KEY FACTOR AFFECTING FOOD SECURITY FROM THE FOLLOWING:

- 1. Plant Science Increasing crop yields and improving disease/drought resistance through research and breeding of improved plant varieties
- 2. Water Scarcity Managing water scarcity and adapting farming practices to reduced water supplies with improved irrigation technologies and conservation practices
- 3. Biofuels Balancing the demand on global food and energy supplies and ensuring that developing nations also benefit from the use of biofuels
- 4. Animal Health Preventing the transmission of disease in livestock and poultry with improved management, investments in vaccine development, and proper application of medications to avoid antibiotic-resistance
- 5. Climate Volatility Responding to climate volatility by adapting agricultural practices and policies to increase carbon sequestration and support ecological resilience to erratic weather, rising temperatures/drought, saltwater intrusion, and shifting plant diseases and pest infestations
- 6. Sustainable Agriculture Developing and implementing sustainable agricultural practices (no-till, crop rotation, integrated pest management, etc.) to combat erosion, desertification and soil depletion and reduce pesticide/herbicide use and minimizing environmental degradation associated with industrial agricultural practices (improved animal waste disposal, conservation buffers, etc.)
- 7. Animal Agriculture Implementing sustainable practices for raising livestock and poultry (management intensive grazing, integrated livestock/poultry grazing and poultry/vegetable production systems, fish pond farming systems, etc.)
- 8. Spoilage & Waste Reducing spoilage and improving the quality and shelf life of food products with improved food preservation techniques and increased processing capacity (flash-heating, aseptic processing, freeze drying, bulk storage, etc.)
- 9. Water & Sanitation Increasing access to safe, potable water supplies, toilets and pit latrines, and education on proper sanitation/hygiene and food preparation techniques to reduce the transmission of food and water-borne disease
- 10. Dietary Diseases Addressing obesity, heart disease, diabetes, and other dietary diseases through nutrition education, access to nutritious foods, and healthy behavior (dietary diversification, food selection, portion-size control, exercise, etc.)
- 11. Malnutrition Alleviating micronutrient deficiencies (iron, vitamin A, iodine, zinc) and proteinenergy malnutrition through improved access to nutritious food, fortification, supplementation, school-feeding programs, nutrition education, emergency therapeutic feeding, etc.
- 12. Human Diseases Reducing the burden of illness and infectious diseases like HIV/AIDS, Tuberculosis (TB), Malaria, etc., to improve human health and nutrition and raise agricultural production
- 13. Demographics Addressing the challenges and opportunities posed by population growth and urbanization
- 14. Conflict Resolution Preventing and resolving political and armed conflict with diplomatic initiatives
- 15. Human Rights Addressing gender, cultural and economic discrimination and improving access to credit and securing property rights for the poor and marginalized
- 16. Education Investing in education, training and extension for improved implementation of agricultural research and technology
- 17. Good Governance Reducing corruption by promoting the rule of law, government accountability, democratic principles and transparency
- 18. International Trade Removing discriminatory international trade policies to improve market access, promote fair trade and increase economic development
- 19. Foreign Aid Assisting vulnerable populations and improving the effectiveness of humanitarian relief and food aid in conflict zones and disaster sites
- 20. Farm to Market Improving access to markets through infrastructure development (roads and railways, internet, mobile technologies, electricity)

Factors 15-20



# STEP 3. ANSWER THE FOLLOWING QUESTIONS TO DEVELOP YOUR PAPER:

- 1. Choose ONE of the countries listed under Step 1 as the focus of your research.
- 2. Define a typical subsistence farm family or poor urban family in your country:
  - a. family size and composition, diet, education and access to health care;
  - b. farm size, crops grown, and agricultural practices (if researching a farm family) or employment and wage, and where they typically purchase food and have access to private or community gardens (if researching an urban family); and
  - c. major barriers to improving agricultural productivity, employment and earning a living wage, and gaining access to food markets and adequate nutrition.
- 3. Select ONE of the key factors listed under Step 2 as the focus of your research.
- 4. Answer the following questions to develop your paper and understand how your selected factor affects food security in your country:
  - a. How does the factor you selected affect agricultural productivity, household income or food availability and quality in your chosen country? Discuss the following:
    - i. What role does the factor presently play in causing your family to not produce enough food, earn sufficient income to purchase food, or access adequate nutrition?
    - ii. What is the present status of this factor? How severe is the situation? Is the environment being degraded? Are women, rural or urban poor, or developing countries particularly disadvantaged? If so, how?
    - iii. Are the trends for this factor improving, worsening, staying the same? How are the trends for this factor measured? Do these measurements indicate the situation is changing? If so, how? Because of potential change, or no change, is the situation for your rural farm or urban family getting worse, improving or staying the same?
  - b. How would improving or resolving this factor increase the amount or quality of food or income available to your family? Preserve the environment sustainably? Lead to economic development and poverty reduction? Benefit women, smallholder farmers or urban dwellers in your country of focus?
  - c. How will other major issues (climate volatility, population growth, water scarcity, urbanization, energy demand, pollution, etc.) affect your chosen factor and the wellbeing of your family and their community in the decades ahead?
  - d. Based on your research, give your recommendations on how to effectively address your selected factor to improve the food security of your rural or urban family in the country on which you have focused. What Millennium Development Goals and associated policies, technologies, practices or investments do you recommend to solve this situation by 2015? Describe one or more local projects in your focus country that could be scaled up successfully.
  - e. Give your suggestions for the appropriate role of communities, the national government, corporations and other organizations (United Nations, World Bank, international research agencies, non-governmental and civic organizations, etc.) in implementing your recommendations in your country. How should rural farm and urban families be involved as key players in implementing these recommendations?

# **Research Paper Checklist**

As you review your final paper for submission, use this checklist to ensure you have completed all of the guided instructions:

| Country seled | cted:  |
|---------------|--|
| D             | efine a typical family   |
|               | Family size and composition  |
|               | Diet   |
|               | Education  |
|               | Access to health care  |
| D             | escribe a typical farm OR urban area   |
|               | Typical Farm   |
|               | Farm size  |
|               | Crops grown or animals raised  |
|               | Agricultural practices   |
|               | OR Urban Area:   |
|               | Employment and wages   |
|               | Access to purchased food   |
|               | Urban food production  |
| D             | escribe major barriers facing the typical family   |
|               | Barriers to improving agricultural productivity  |
|               | Barriers to employment at a living wage  |
|               | Barriers to accessing food markets and adequate nutrition  |
| Factor select | ∍d·  |
|               | escribe how the factor you selected affects agricultural productivity, household income, OR food |
| <u> </u>      | vailability and quality  |
| _             | Describe the effect of the factor on the typical family in your country                          |
|               | Describe the present status of this factor   |
|               | Describe the trends for this factor (improving, worsening, or constant)                          |
|               | Describe how improving this factor would benefit your country                                    |
| D             | escribe how other major issues (climate volatility, population growth, water scarcity, energy    |
|               | emand, pollution, etc.) will affect your chosen factor   |
|               |  |
| Give recomm   | endations on how to effectively address your factor to improve food security for the typical     |
| family in the | country you have selected:   |
|               |  |
|               |  |
| D             | escribe one or more local projects in your focus country that could be scaled up successfully    |
|               | ive suggestions for the appropriate role of communities, the national government, and            |
|               | rganizations in implementing your recommendations  |
|               | escribe how the typical family can be involved in implementing your recommendations              |
|               | 20020  |
|               |  |

# **Paper Format Requirements**

Be sure to review the *Introduction to the Issues* and instructions on *How to Write Your Paper* before beginning your research, and follow the *Paper Format Requirements* below, as all papers will be evaluated on both content and formatting. A list of suggested references can be found in the *Sample Resources*, and the *Sample Paper* provides an example of how to format and structure your paper.

Students selected to attend the 2014 Global Youth Institute as a state delegate will have their research papers peer-reviewed and published online by the World Food Prize Foundation.



# FORMAT REQUIREMENTS

Papers must include:

 Identification in the upper left-hand corner of the first page providing the name of the student author, high school name, school city, school state, selected country and factor number, and essay title (in bold)

Example: Sarah Anderson

Central High School Manhattan, KS

Afghanistan, Factor 19: Foreign Aid

Afghanistan: Social business to build infrastructure and empower farmers

- Body of approximately 4-5 pages in length including:
  - an introduction and conclusion, each of which must be at least one-half page
  - o word count of approximately 2200 to 3500 words, excluding bibliography
- Bibliography page with at least five sources and in-text citations using the standards set by the Modern Language Association (MLA). Note: footnotes are not required for high school papers in the MLA format.
- MLA Style Guide: <a href="http://owl.english.purdue.edu/owl/resource/747/01/">http://owl.english.purdue.edu/owl/resource/747/01/</a>

Papers must be submitted as a Word (.doc or .docx) file and meet the following page format requirements:

- One-inch page margins (top, bottom, left, right)
- Eleven-point (11) font, Times New Roman
- Single-space text, no indentation
- Double-space between paragraphs



# **SUBMISSION**

Submit papers electronically through the online registration form as instructed in the "How to Participate" box on the Kansas web page (www.worldfoodprize.org/kansas).

ONLINE PAPER SUBMISSION DEADLINE: Tuesday, April 1, 2014

# Sample Resources

Below are suggested resources, general and organized by factor, to aid your research. Note: This is not a full resource list and use of additional resources will be needed to meet the requirements of the paper.

The World Food Prize does not endorse any particular point of view represented in these resources.



# **MAPS, FACTS & FIGURES**

**Central Intelligence Agency - The World Factbook:** Background information by country. <a href="https://www.cia.gov/library/publications/the-world-factbook/index.html">https://www.cia.gov/library/publications/the-world-factbook/index.html</a>

#### Millennium Development Goals Monitor & Tracking Map

Track how countries are progressing in their efforts to achieve the Millennium Development Goals (MDGs) <a href="https://www.mdgmonitor.org/index.cfm">www.mdgmonitor.org/index.cfm</a> <a href="https://www.mdgmonitor.org/map.cfm?goal=0&indicator=0&cd">www.mdgmonitor.org/index.cfm</a>

#### **Interactive Hunger Map & Country Database**

World Food Programme (WFP), the United Nations' frontline agency in the global fight against hunger <a href="https://www.wfp.org/hunger">www.wfp.org/hunger</a>

# **Global Hunger Index**

International Food Policy Institute (IFPRI), Concern Worldwide, Welt Hunger Hilfe, 2012 and 2013.

2012: <a href="https://www.ifpri.org/publication/2012-global-hunger-index">www.ifpri.org/publication/2012-global-hunger-index</a>

#### **Global Food Security Index**

Measures the risks and factors that drive food security including affordability, availability, and quality and safety. http://foodsecurityindex.eiu.com

**Rural Poverty Portal** - select country from drop down menu for statistics and articles International Fund for Agricultural Development (IFAD) <a href="https://www.ruralpovertyportal.org/web/guest/region">www.ruralpovertyportal.org/web/guest/region</a>

**Famine Warning System Network (FEWS NET)** - provides timely and rigorous early warning and vulnerability information on emerging and evolving food security issues. <u>www.fews.net/Pages/default.aspx</u>

**Farming First** - highlights the importance of improving farmers' livelihoods and agriculture's potential contribution to global issues such as food security, climate change and biodiversity (*includes infographics and case studies*) <a href="https://www.farmingfirst.org">www.farmingfirst.org</a>

FAO Infographic - Equal access to resources and power for food security in the face of climate change The infographic describes the links between food security, gender and climate change. <a href="https://www.fao.org/resources/infographics/infographics-details/en/c/180754">www.fao.org/resources/infographics/infographics-details/en/c/180754</a>



## **GENERAL RESOURCES**

The resources in this section provide an overview of food security issues

Can We Feed Seven Billion People? Sir Gordon Conway, Huffington Post, October 28, 2011 www.huffingtonpost.co.uk/professor-sir-gordon-conway/can-we-feed-seven-billion b 1063464.html

**Food and Agriculture Organization of the United Nations:** The food security arm of the UN, the FAO provides a global perspective on agricultural challenges and development. <a href="www.fao.org/index\_en.htm">www.fao.org/index\_en.htm</a>

**2014 International Year of Family Farming (IYFF)** - aims to raise the profile of family farming and smallholder farming by focusing world attention on its significant role in eradicating hunger and poverty, providing food security and nutrition, improving livelihoods, managing natural resources, protecting the environment, and achieving sustainable development, in particular in rural areas.

www.fao.org/family-farming-2014/en

The State of Food Insecurity in the World 2013 (SOFI): The Multiple Dimensions of Food Insecurity www.fao.org/publications/sofi/en

UN Zero Hunger Challenge Website (Resources & Documents) www.un.org/en/zerohunger/resources.shtml

#### Millions Fed: Proven Successes in Agricultural Development

David Spielman, Rajul Pandya-Lorch. International Food Policy Research Institute (IFPRI), 2009. <a href="https://www.ifpri.org/sites/default/files/publications/millionsfedbooklet.pdf">www.ifpri.org/sites/default/files/publications/millionsfedbooklet.pdf</a>

**Innovations in Action** (supplement to the Worldwatch Institute's 2011 State of the World Report) <a href="https://www.worldwatch.org/system/files/NtP-Innovations-in-Action.pdf">www.worldwatch.org/system/files/NtP-Innovations-in-Action.pdf</a>



#### **BOOKS**

Acker, David and Gasperini, Levinia. <u>Education for Rural People – The Role of Education, Training and Capacity</u> <u>Development in Poverty Reduction and Food Security</u>. Food and Agriculture Organization (FAO), Rome, 2009.

Beckmann, David. Exodus from Hunger: We Are Called to Change the Politics of Hunger. John Knox Press, Louisville, 2010.

Conway, Gordon and Wilson, Katy. <u>One Billion Hungry: Can We Feed the World?</u> Cornell University Press, Ithaca, 2012.

Conway, Gordon. The Doubly Green Revolution. Penguin Books USA Inc., New York, 1997.

McGovern, George. The Third Freedom: Ending Hunger in Our Time. Simon & Schuster, New York, 2001.

Runge, C. Ford, Senauer, Benjamin, Pardey, Philip and Rosegrant, Mark. <u>Ending Hunger in our Lifetime - Food Security and Globalization.</u> Johns Hopkins University Press, Baltimore, 2003.

Sachs, Jeffrey. The End of Poverty: Economic Possibilities for Our Time. The Penguin Press, USA, 2005.

Swaminathan, M.S. and Medrano, Pedro (Eds). <u>Towards Hunger Free India: From Vision to Action.</u> East West Books, Chennai, 2005.

Thurow, Roger. <u>The Last Hunger Season: A Year in an African Farm Community on the Brink of Change.</u> PublicAffairs, New York City, 2012.

Thurow, Roger, Kilman, Scott. **Enough: Why the World's Poorest Starve in an Age of Plenty.** PublicAffairs, USA, 2009.

Vietmeyer, Noel. Our Daily Bread: The Essential Norman Borlaug. Bracing Books, USA, 2011.

Worldwatch Institute. **State of the World 2012: Moving Toward Sustainable Prosperity.** Worldwatch Institute, Washington DC, 2012.

Yunus, Muhammad. Creating a World without Poverty. PublicAffairs, New York, 2008.

**High School and College Textbooks** can also be used for background information on relevant scientific subjects, for example, nutrition, public health, molecular biology, genetics, botany, agriculture, sociology, economics, ecology and geography.



# MASS MEDIA, NEWSFEEDS & BLOGS

**Newspapers** can often initiate awareness about current events, issues and ideas on food security at local, national, regional and international levels. *The New York Times* publishes a Science Section every Tuesday. *Yahoo! News*, on the Internet, has daily science and world headline articles that are taken from Reuters Press Agency and other sources. Other news sources to consult include:

**IRIN Humanitarian News & Analysis** 

Inter-Press News (African smallholder farming news) www.ipsnews.net/new focus/farmingfuture/index.asp

www.irinnews.org
BBC News

**Voice of America News** 

**National Public Radio** 

www.bbc.co.uk/news

www.voanews.com

www.npr.org

Agriculture and Ecosystems Blog – CGIAR Research Program on Water, Land and Ecosystems

http://wle.cgiar.org/blogs

**Global Food for Thought Blog** – Forum for information, commentary and debate hosted by The Chicago Council and the Global Agricultural Development Initiative. <a href="http://globalfoodforthought.typepad.com">http://globalfoodforthought.typepad.com</a>

**The New Agriculturalist** - Provides an update on the latest news and developments in tropical agriculture for a global audience. <a href="www.new-ag.info">www.new-ag.info</a>



#### **RELEVANT ORGANIZATIONS & INFORMATIONAL WEBSITES**

African Renewal – African News and Analysis from the United Nations (Quarterly News) www.un.org/africarenewal

**Bangladesh Rural Advancement Committee (BRAC)** 

www.brac.net

**Bread for the World** 

www.bread.org

The Chicago Council on Global Affairs

www.thechicagocouncil.org

**Climate Wise Women** 

www.climatewisewomen.org

**The Coalition for Adolescent Girls** (Check out the "Knowledge" section to access the: "Girls Count Reports", "Global Girl Facts" and "Girls Discovered Global Map") www.coalitionforadolescentgirls.org

Consultative Group on International Agricultural Research (CGIAR) <a href="https://www.cgiar.org">www.cgiar.org</a>

EarthTrends: Environmental Information from the World Resources Institute www.wri.org/project/earthtrends

**Grameen Bank** 

www.grameen-info.org

**HarvestPlus** 

www.harvestplus.org

**Heifer International** 

www.heifer.org

# **Intergovernmental Panel on Climate Change**

www.ipcc.ch

International Assessment of Agricultural Science and Technology for Development (IAASTD)

www.unep.org/dewa/Assessments/Ecosystems/IAASTD/tabid/105853/Default.aspx

International Food Policy Research Institute (IFPRI)

www.ifpri.cgiar.org, www.ifpri.org/countries, www.ifpri.org/publications

The New Partnership for Africa's Development (NEPAD)

www.nepad.org

**Oxfam International** 

www.oxfam.org

Partnership to Cut Hunger and Poverty in Africa

www.partnership-africa.org

**United Nations Children's Fund (UNICEF)** 

www.unicef.org

**United Nations Development Programme (UNDP)** 

www.undp.org

The UN Millennium Project

www.unmillenniumproject.org

**United States Agency for International Development (USAID)** 

www.usaid.gov

**The World Bank** (Click <a href="here">here</a> for the Students & Teacher's page — view Youthink! About Development "Issues Briefs" section) <a href="here">www.worldbank.org</a> <a href="http://blogs.worldbank.org/youthink">http://blogs.worldbank.org/youthink</a>

World Food Programme (WFP) of the United Nations

www.wfp.org

**Worldwatch Institute** 

www.worldwatch.org



# **RECOMMENDED INTERVIEWS, SPEECHES & PANEL DISCUSSIONS**

"The Single Greatest Challenge in Human History" keynote by World Food Prize President, Amb. Kenneth Quinn, at the UN World Food Day Observance in New York, 23 November 2013 <a href="https://bit.ly/liFbke8">bit.ly/liFbke8</a>

Video Interview with 2003 World Food Prize Laureate Catherine Bertini on Nutrition and Girl's Education,

Chicago Council on Global Affairs, 23 October 2013. Chicago Council Senior Fellow and former Executive Director of the UN World Food Program Catherine Bertini discusses how gender relates to agriculture, the role of nutrition in the first 1,000 days of life, and the importance of US investment in agriculture development. http://globalfoodforthought.typepad.com/global-food-for-thought/2013/10/video-interview-with-catherine-

http://globalfoodforthought.typepad.com/global-food-for-thought/2013/10/video-interview-with-catherine-bertini.html

**A New Dialogue: Putting People at the Heart of Global Development** Hunger-Nutrition-Climate Justice-2013 Conference, Dublin, Ireland, 15-16 April 2013

www.mrfcj.org/pdf/hncj/conference-papers.pdf

**Seven Billion And Counting** On Point, NPR Audio Archives, 27 October 2011 <a href="http://onpoint.wbur.org/2011/10/27/seven-billion">http://onpoint.wbur.org/2011/10/27/seven-billion</a>

**Global Food Price Spikes** On Point, NPR Audio Archives, 9 February 2011 <a href="http://onpoint.wbur.org/2011/02/09/global-food-price-spikes">http://onpoint.wbur.org/2011/02/09/global-food-price-spikes</a>

"Take it to the Farmer": Reaching the World's Smallholders – Proceedings of the 2010 Borlaug Dialogue World Food Prize International Symposium, Video and Audio Archives, 15-17 October 2010 www.worldfoodprize.org/en/borlaug dialogue//previous years/2010 borlaug dialogue

**Silent Tsunami: Global Food Crisis** (John McArthur, Executive Director, Millennium Promise; Raj Patel, Visiting Scholar, University of California at Berkeley/Author of "Stuffed and Starved;" and Joia Mukherjee, Medical Director, Partners in Health) On Point with Tom Ashbrook, NPR Archive, 5 May 2008. http://onpoint.wbur.org/2008/05/05/silent-tsunami#

**Giving Africa Infrastructure for Growth** Talk of the Nation, NPR Audio Archives, 5 April 2006 <a href="https://www.npr.org/templates/story/story.php?storyId=5325397">www.npr.org/templates/story/story.php?storyId=5325397</a>

**How Can Scientists Help Address Poverty?** (Per Pinstrup-Andersen, 2001 World Food Prize Laureate; and other experts) Talk of the Nation, NPR Audio Archives, 17 February 2006 <a href="https://www.npr.org/templates/story/story.php?storyld=5221063">www.npr.org/templates/story/story.php?storyld=5221063</a>

The Problems of Preventing Famine (Natasha Quist, West Africa Regional Director, OXFAM; Marc Cohen, Research Fellow, IFPRI; and Jason Beaubien, NPR News) Talk of the Nation, NPR Audio Archives, 26 July 2005 <a href="https://www.npr.org/templates/story/story.php?storyId=4771717">www.npr.org/templates/story/story.php?storyId=4771717</a>

Addressing Hunger and Poverty (Jeffrey Sachs, Director, Earth Institute, Columbia University; and Lester Brown, President and Founder, Earth Policy Institute) Talk of the Nation, NPR Audio Archives, 20 May 2005 <a href="https://www.npr.org/templates/story/story.php?storyld=4660415">www.npr.org/templates/story/story.php?storyld=4660415</a>

#### **UNICEF's Voices of Youth Digital Diaries**

First-person accounts by young people from around the world on issues affecting their lives www.unicef.org/voy/takeaction/takeaction 2692.html



# **RESOURCES LISTED BY FACTOR**

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