

# Alexander J. Stein

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Web            <http://www.AJStein.de>

## **Key competences and fields of interest**

- ✓            Agricultural and food economics
- ✓            Development and health economics
- ✓            Public health, nutrition and food security
- ✓            Natural resource management and sustainability
- ✓            Poverty alleviation and rural development
- ✓            Food safety, regulations and international trade
- ✓            New technologies and impact assessment
- ✓            Cost-benefit and cost-effectiveness analyses
- ✓            Policy support, communication and research

## **Professional experience**

- 2013-        Policy Officer:  
*European Commission*, Brussels,  
**DG AGRI**, Unit for Governance of the Agri-Food Markets, since 2018.  
**DG MARE**, Units for Sea-Basin Strategies, Scientific Advice, Common Fisheries Policy.  
⇒ 2013-18: Coordinating **scientific advice** from **ICES**, the EU **sharks** file,  
and the work on blue growth in the **outermost regions**.
- 2011-13     Research Coordinator:  
*International Food Policy Research Institute (IFPRI)*,  
Director General's Office, Washington, DC.  
⇒ Managing the institute's annual flagship publication, the **Global Food Policy Report**,  
coordinating syntheses on socio-economic and policy issues, research and writing.
- 2010-11     Consultant for agricultural economics:  
*Genius - science & communication*, Berlin.  
⇒ Studies in the field of agriculture and nutrition, project economist for food security,  
writing on plant research and biosafety for outreach websites and social media.
- 2009-10     Agricultural economist:  
*Freelance research, writing & consulting* on agriculture, food, health and technology.  
⇒ Contracts and sub-contracts for the German Parliament, the European Food Safety  
Authority and the International Food Policy Research Institute.
- 2006-09     Scientific project officer:  
*European Commission*, Institute for Prospective Technological Studies (**IPTS**),  
Unit for Agriculture and Life Sciences in the Economy, Seville.  
⇒ Socio-economic analyses of new technologies in agriculture, food and health:  
research & policy support, research management, drafting & organisational tasks.
- 2004-06     Research associate:  
*University of Hohenheim*, **International Agricultural Trade** and Food Security, Stuttgart.  
⇒ Simulation and economic evaluation of the welfare impact of nutritious staple crops.

- 2003-04 Research associate: *Center for Development Research (ZEF)*,  
Department for Economic and Technological Change, Bonn.
- 2002-02 Expert for pricing and portfolio management: *T-Systems International*, Bonn.
- 2000-01 Product manager for a trilingual knowledge management tool: *SERUBA*, Hamburg.
- 1999-00 Junior consultant for technical cooperation projects: *GFA Management*, Hamburg.
- 1999-99 Intern, committee for international trade: *Council of the European Union*, Brussels.
- 1998-99 Temporary worker, market research and clerical work: *various*, London.
- 1991-92 Emergency medical technician, national service: *German Red Cross*, Albstadt.

### **Academic education**

- 2006 PhD (summa cum laude):  
*Agricultural Economics and Social Sciences*, University of Hohenheim.  
⇒ Dissertation: Micronutrient malnutrition and the impact of modern plant breeding on public health in India: How cost-effective is biofortification? Supervisor: **Matin Qaim**.
- 2003-04 Doctoral programme: *Agricultural and Development Economics*, University of Bonn.
- 1997-98 MA: *Economic Development and Policy Analysis*, University of Nottingham.
- 1996 Degree: *Spanish Language and Culture*, University of Salamanca.
- 1995-96 BA: *Economic Sciences*, Jean Monnet Certificate, University of Montpellier 1.
- 1994-97 Advanced studies: *International Economics*, University of Münster.
- 1992-94 Intermediate diploma: *Economics and Business*, University of Würzburg.

### **Awards and honours**

- 2008 Biennial prize of the Friends of ZEF for the best doctoral thesis in 2005/06.
- 2007 Science prize 2006 of the University Association Hohenheim.

### **Other qualifications and experiences**

- Languages Fluent in *German, English, French* and *Spanish*.
- International Long-term stays in Belgium, Spain, USA, UK, France and India; business trips overseas (Asia, Africa, Middle East, Latin America, North America, Australia).
- IT Word, Excel, PowerPoint, Stata, HTML/CSS, Internet & Social Media; IT-literate.
- Swimming 100 m freestyle in 1:11.82 (**European Masters Championships**, 28 May 2016),  
10 km in 2:57:18 (**Neuruppiner Langstreckenschwimmen**, 8 Aug 2015).

### **Publications and presentations**

- ✓ Publications in international, peer-reviewed journals.
- ✓ Presentations at conferences and workshops.
- ✓ Editing of reports for policy makers.
- ✓ Writing for websites on agriculture.
- ✓ Participation in panel discussions.
- ✓ Ad-hoc referee for academic journals.
- ✓ For a selected list see next page, otherwise:  
<http://www.AJStein.de/cv/literature.htm>

## **Publications and presentations** (March 2017, for a complete list see: [www.AJStein.de](http://www.AJStein.de))

### **Selected journal articles and reviewed papers**

- De Steur et al (2017). The social and economic impact of biofortification. *Curr Opin Biotechnol* **44**: 161.
- Joy EJM et al (2017). Valuing increased zinc (Zn) fertiliser-use in Pakistan. *Plant Soil* **411**: 139.
- Joy EJM et al (2015). Zinc-enriched fertilisers as a public health intervention in Africa. *Plant Soil* **389**: 1.
- Stein AJ (2014). Rethinking the measurement of undernutrition in a health context. *Global Food Sec* **3**: 193.
- Joy EJM et al (2014). Dietary mineral supplies in Africa. *Physiologia Plantarum* **151**: 208.
- Stein AJ (2013). Re-thinking the measurement of undernutrition in a health context. *IFPRI DP* **1298**.
- Demont M, Stein AJ (2013). Global value of GM rice: a review. *N Biotechnol* **30**: 426.
- Hurst R et al (2013). Soil-type influences human selenium status and deficiency risks. *Sci Rep* **3**: 1425.
- Fan S, et al (2012). Ensuring food and nutrition security in a green economy. *IFPRI Pol Brief* **21**.
- Stein AJ (2010). Global impacts of human mineral malnutrition. *Plant Soil* **335**:133.
- Stein AJ, Rodríguez E (2010). Low-level presence of new GM crops. *AgBioForum* **13**: 173.
- Stein AJ, Rodríguez E (2010). International trade and GM crops. *Nature Biotechnol* **28**: 23.
- Stein AJ, et al (2008). Potential impacts of iron biofortification in India. *Soc Sci Med* **66**: 1797.
- Stein AJ, et al (2008). Genetic engineering for the poor: Golden Rice. *World Dev* **36**: 144.
- Stein AJ, Qaim M (2007). The human and economic cost of hidden hunger. *Food Nutr Bull* **28**: 125.
- Stein AJ, et al (2007). Plant breeding to control zinc deficiency in India. *Public Health Nutr* **10**: 492.
- Stein AJ, et al (2006). Impact and cost-effectiveness of Golden Rice. *Nature Biotechnol* **24**: 1200.

### **Selected books, chapters, reports and other documents**

- Stein AJ (2016). Shark-fin landing policy aids control. *Nature* **533**: 469.
- Stein AJ (2015). *Acceptance of 'GM food' in Europe*. ResearchGate Technical Report 2015/07.
- Stein AJ (2015). The poor, malnutrition, biofortification, and biotechnology. In: Herring R (ed). *The Oxford Handbook of Food, Politics and Society*. New York: Oxford University Press.
- Demont M, et al (2014). Rice. In: Smyth SJ, et al (eds). *Handbook on Agriculture, Biotechnology and Development*. Cheltenham: Edward Elgar Publishing.
- Freitag C, Minol K, Stein AJ (2011). *Imports, labelling and consumer acceptance of conventional and GM crops in the EU*. Private client report. Berlin: Genius GmbH.
- Stein AJ (2010). *The potential of biofortification of rice, beans, cassava and maize throughout Latin America*. Report for the International Food Policy Research Institute, Washington.
- Stein AJ, Qaim M (2009). [de] *Strategies to remedy micronutrient deficiencies*. Report for the Office of Technology Assessment at the German Parliament, Berlin.
- Stein AJ, Rodríguez E (2009). *New GM crops: implications of asynchronous approval*. EC, Luxembourg.
- Stein AJ, et al (2009). Zinc deficiencies and DALYs. In: Preedy, Watson (eds). *Handbook of disease burdens and quality of life measures*. Heidelberg: Springer.
- Stein AJ, Rodríguez E (2008). *Functional food in the European Union*. EC, Luxembourg.
- Zika E, et al (2007). *Opportunities and challenges of modern biotechnology for Europe*. EC, Luxembourg.
- Stein AJ (2006). *Micronutrient malnutrition and the impact of modern plant breeding on public health in India: How cost-effective is biofortification?* Göttingen: Cuvillier Verlag.
- Stein AJ, et al (2005). *Analyzing the health benefits of biofortified crops: a handbook*. IFPRI, Washington.

### **Selected conference papers and invited presentations**

- Stein AJ (2014). Rethinking the measurement of undernutrition. *Seminar*, GlobalFood, March, Göttingen.
- Stein AJ (2013). Measuring food security based on health. *Paper*, Food Security conf., Sept., Amsterdam.
- Stein AJ (2012). Biofortification of staple crops in Latin America. *Seminar*, World Bank, March, Washington.
- Stein AJ (2011). Economic aspects of GM crop production. *Invited speaker*, Eurobiotech, October, Krakow.
- Stein AJ (2010). New GM crops and international trade. *Invited speaker*, JRC workshop, November, Seville.
- Stein AJ (2010). Health economic analyses. *Presentation*, ecosystems workshop, September, Lilongwe.
- Stein AJ (2009). Impacts of malnutrition. *Invited speaker*, IPI/IPNI symposium, November, Bhubaneswar.
- Stein AJ (2008). Functional food in the EU. *Communication*, Biotec 2008, September, Granada.
- Stein AJ (2007). Cost-effectiveness of biofortification. *Invited expert*, FAO consultation, December, Cairo.
- Stein AJ (2007). [de] Potential of ag biotech. *Invited expert*, dialogue w. Members of Parliament, Sept., Berlin.
- Stein AJ (2006). Impacts of Golden Rice. *Paper*, IAAE conference, August, Broadbeach.
- Stein AJ (2005). Malnutrition and labour productivity. *Invited speaker*, ILSI conference, October, Delhi.
- Stein AJ (2004). Model for analysing health benefits. *Presentation*, IVACG meeting, November, Lima.