



### Agro-biodiversity to feed our changing world

- The world needs to produce 50% more food by 2050 to feed a growing population, but climate chaos is challenging farmers like never before, especially in lower-income countries. Adapting our crops for a changing world has never been more important. To do this, plant breeders need to use the full biodiversity of crops – shaped by nature and by hundreds of generations of farmers.
- Crop collections around the world hold more than two million unique types of crops. For breeders these are the fundamental toolkit for developing resilient new varieties to beat climate extremes, pests, diseases and land degradation. For farmers, and for humanity's food supply, they are the ultimate insurance policy.

### Investment in the foundations of farming

- The United Nations' proposed Sustainable Development Goals recognize protection of global crop diversity as a prerequisite for ending world hunger. Now, in an innovative partnership, the Crop Trust and Deutsche Asset & Wealth Management, a member of Deutsche Bank Group, are inviting private investors to be a part of the greatest challenge of our age: securing, improving and climate-proofing the global food supply.
- The Investment Sharing Facility is a simple yet first-of-its-kind capital market innovation. The ISF consists of a mutual fund managed by Deutsche Asset & Wealth Management that invests responsibly in world equities. While investors capture the opportunities in international equity markets and hold on to their fund shares, they are donating their annual income distributions – mostly stock dividends – to the Crop Trust to safeguard global crop diversity.
- The ISF offers investors shares in a mutual fund investing in global equities, CROCI World ESG, which makes investment decisions in compliance with strict criteria relating to environmental, social and governance (ESG) standards and in accordance with the United Nations Principles for Responsible Investment.

### A double harvest

- By using dividends from investments to conserve agriculture's foundations, the ISF achieves what we call "double harvest" investing: finance that powers a socially and environmentally responsible economy today, as well as a secure tomorrow for the world's farmers.
- The international collections funded by the Crop Trust are the backbone of the global system for conserving, sharing and using crop diversity. They operate under the International Treaty on Plant Genetic Resources for Food and Agriculture, which ensures that collections of global relevance are accessible to everyone.
- Operating these specialized facilities, distributing their material, and maintaining their collections costs about USD 20 million per year. It is absolutely essential that this funding remains stable and reliable, or else the seeds of the future can be lost for good. The Crop Trust exists to conserve these agricultural treasures forever.

### A new frontier in funding food security

- As of the Summer of 2015, the ISF will open a new frontier in financing the global effort to achieve future food security. This challenge is not only the responsibility of governments: such a historic task requires support from everyone, and the ISF is a win-win, "double harvest" solution for private investors to give this support.
- The product will be available to individuals and institutional investors in the European Union. Further investor jurisdictions may be added in the future
- Investors will retain most of the expected performance of the fund. The Crop Trust will enjoy an annual income stream from the dividend income which it will use to fund crop diversity conservation and use.

*For more information, please contact:*

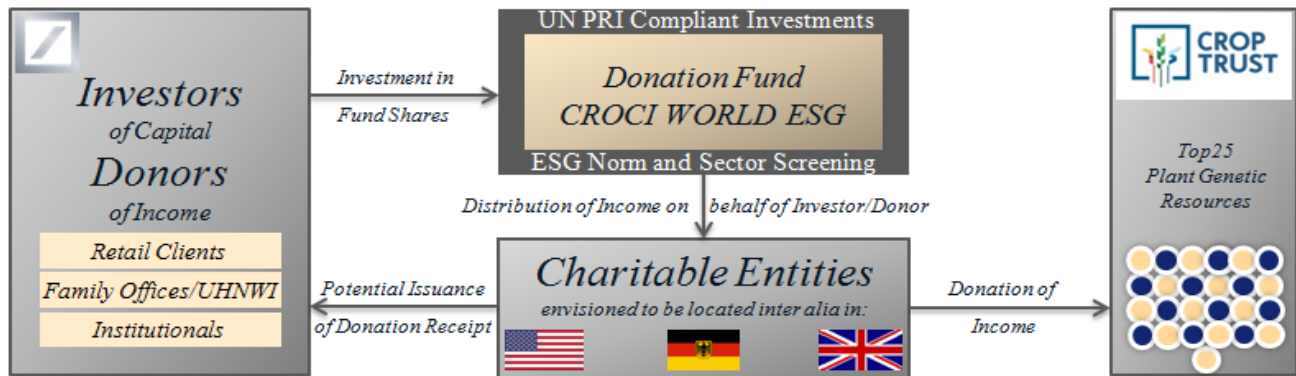
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#### Attachments

- Investment Sharing Facility: Illustrative Charts
- Investment Sharing Facility: Questions & Answers
- Summary Background on the Crop Trust

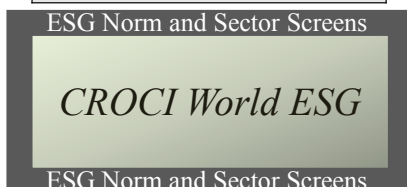
## Investment Sharing Facility: Illustrative Charts

### (1) Flow of Funds



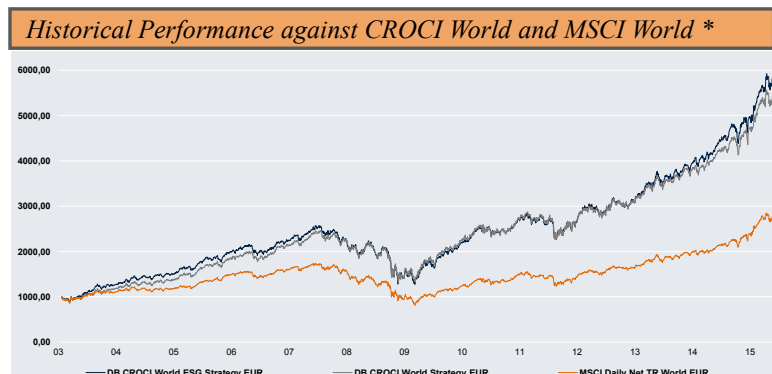
### (2) Background on the ESG-compliant Investment Fund ("CROCI World ESG")

WHAT - Controversial Sector Screening
Adult Entertainment <sup>1,3</sup>
Alcohol <sup>1,3</sup> / Hard Liquor <sup>3</sup>
Gambling <sup>1,3</sup>
Tobacco <sup>1,3</sup>
Cluster Munitions <sup>1,2</sup>
Anti Personnel Mines <sup>1,2</sup>
Depleted Uranium Weapons <sup>1,2</sup>
Nuclear Weapons <sup>1,3,4</sup>
Military Defense Industry <sup>1,3</sup>
Nuclear Power <sup>3</sup>



HOW - Norm Screening
Child Labor <sup>1</sup>
Forced Labor <sup>1</sup>
Human Rights <sup>1</sup>
Labor Rights <sup>1</sup>
Environmental Impact <sup>1</sup>
Business Ethics and Corruption <sup>1</sup>
Animal Testing
Product Controversies <sup>1</sup>
Governance <sup>1</sup>
Reputational Risk / ESG Conformity <sup>1,5</sup>
UN Global Compact Warnings <sup>1,6</sup>

Historical Simulated Performance*	1Yr trailing to 29 May 2015	Annualized since 2011	Cumulative since 2011
CROCI World ESG PR EUR	31.41%	22.63%	100.64%
Dividend Yield	2.87%	2.87%	16.51%



(\*) The CROCI World ESG has no operating history before 7/18/2014. All pro-forma performance data prior to this date is simulated and was calculated by means of retroactive application of the strategy model. Any products linked to a CROCI Strategy may not be capital protected and investor capital may be at risk. Investment in funds involve numerous risks - please refer to the risk factors section of the KIID and Prospectus before investing. Past performance is not a reliable indicator of future results and does not include any product fees. Source: Deutsche Bank, Bloomberg, 2015

1. This ESG Class is activated for CROCI World ESG.
2. Controversial Conventional Weapons ("CCW") are cluster munitions, anti personnel mines and depleted uranium weapons. A zero-tolerance policy applies.
3. A 10% revenue thresholds applies to determine 'significant' involvement.
4. Includes biological and chemical weapons
5. Measured on degree of NGO/CSO/media coverage and activism on/against that corporation and ESG ratings.
6. Measures a critical accumulation of less severe 'warnings' on lurking UN Global Compact violations

Deutsche Asset  
& Wealth Management



Conceptional Design of the Investment Sharing Facility – For illustrative and informational purposes only. No offer

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## **Investment Sharing Facility: Questions & Answers**

### **Why is the Crop Trust launching the Investment Sharing Facility?**

The Crop Trust is keen to broaden its public-private partnership structure towards securing the foundation of global agriculture. Through the ISF, the Crop Trust is able to mobilize investment capital from non-governmental sources for the purpose of funding a global common good: crop diversity. Such private capital complements resources raised from government donors which, to date, account for more than 90% of all funds raised by the Crop Trust.

### **What is new about this financial instrument?**

The ISF for the first time combines a stock market-oriented investment proposition with a philanthropic approach. Investors seek to earn a regular return on their invested capital while consciously giving up a share of their income to the Crop Trust to support global agriculture and provide for a food-secure future.

### **In what ways does the Investment Sharing Facility contribute to societal welfare?**

The ISF represents both a socially responsible investment and a social impact investment. By allocating investors' resources to companies that comply with environmental, social and governance-compliant (ESG) criteria, the ISF provides investors a socially responsible investment option. In addition, by allocating the dividend payouts from the ISF to the Crop Trust, investors also support investment in the climate change adaption of agriculture through crop diversity.

### **Why should an investor purchase shares in the Investment Sharing Facility?**

Eligible investors in the ISF include institutional investors and retail investors. Both will be attracted by the opportunity to give back to society while also striving to generate a considerable market return on their investment. Deutsche Asset & Wealth Management has a successful track record in managing mutual funds of the CROCI family, with overall more than EUR 10 billion of invested assets in CROCI strategies, providing reassurance to investors about the quality of asset management under the ISF\*\*\*.

### **How much income could investors expect to earn, and how much income will they give up to the Crop Trust?**

The invested capital will generate a return reflecting the opportunities and risks of the world stock markets that the ISF funds will be invested in. Since 2011, the CROCI World ESG fund managed by Deutsche Asset & Wealth Management has earned about 20% per year on average\*\*\*. This includes an average dividend yield of nearly 3% per year, which, under the ISF structure, would be allocated to the Crop Trust\*\*\*.

### **How will the Crop Trust spend the funds it receives under the Investment Sharing Facility?**

The annual allocation of dividend income from the ISF to the Crop Trust will support the work of the Crop Trust to protect and make available crop diversity for farmers, breeder and researches across the world. This includes financial support to international and national crop collections; funding of the operation of the Svalbard Global Seed Vault in Spitsbergen; the implementation of selected scientific projects to contribute to crop protection and availability; and the running of the Crop Trust organization.

### **What are the risks for the Crop Trust in engaging in the Investment Sharing Facility?**

The ISF has been developed in partnership with Deutsche Asset & Wealth Management, which has covered all its preparatory expenses. There is no cost or financial risk for the Crop Trust associated with the ISF.

### **Why is the Crop Trust partnering with Deutsche Asset & Wealth Management in the Investment Sharing Facility?**

The Crop Trust has approached a number of financial institutions about a social investment proposition targeted at mobilizing private capital for the global common good of crop diversity. Deutsche Asset & Wealth Management was the first institution to drive such a product towards market readiness.

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**Can an investor buy shares in the Investment Sharing Facility today?**

Yes, the ISF will be ready for investment in Euros and Pound Sterling in the summer of 2015, initially for investors domiciled in the European Union. Additional regions and currencies may be added in the future depending on investor demand.

**What is the role of Deutsche Asset & Wealth Management in this partnerships?**

Deutsche Asset & Wealth Management is managing the ISF assets as part of the CROCI World ESG equity mutual fund. Deutsche Asset & Wealth Management is also soliciting investors to purchase shares in the ISF.

**What are the incentives for Deutsche Asset & Wealth Management to participate in the Investment Sharing Facility?**

Like all major financial institutions, Deutsche Bank has a strong interest to engage in ESG-compliant activities as part of its core asset management activities in its Deutsche Asset & Wealth Management division. Deutsche Asset & Wealth Management is earning regular market fees on its asset management services under the ISF.

**Will the Crop Trust also work with other financial institutions on innovative financial structures?**

Yes, the Crop Trust is keen to engage with additional banks and asset managers to develop further innovative instruments that will help generate additional resources from private investors and donors for the global common good of crop diversity.

**What is the view of the Crop Trust's government donors about the Investment Sharing Facility?**

Governments are keen to see private sources of funding being mobilized to complement tax-payers resources spent on official development aid, agricultural development, climate change and biodiversity. The ISF delivers on this objective.

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## Summary Background on the Crop Trust

### *The Issue*

Crop diversity is one of the world's least recognized but most valuable natural and economic resources. It provides the genetic building blocks for adapting crops to changing climates and environments, as well as constantly evolving pests and diseases. Without this diversity, agriculture cannot retain current levels of productivity, let alone meet the future challenges presented by population growth, increasing consumptions and changing climate.

The biodiversity of crops held in the world's crop collections represents an insurance policy for humanity. These collections provide vital options in the form of varieties and wild species with useful traits and characteristics that, when introduced into agriculture, may deal with the increasing demand for safe and nutritious food. Although the Crop Trust would like to see the importance of agricultural biodiversity more widely discussed and understood, it is worth noting that there has been progress in recognizing crop diversity as a vital prerequisite for food security: The Crop Trust's mission is well reflected in Goal 2 of the draft UN Sustainable Development Goals.

Despite their value, crop collections around the globe are still at great risk. At the moment, much of the world's crop diversity is neither safely conserved, nor readily available to scientists and farmers who rely on it to safeguard agricultural productivity. Valuable genetic traits are at risk of becoming irretrievable and the resources stored in seed banks are threatened from poor conservation conditions, natural disasters, inadequate funding, war and civil strife. Such losses occur frequently and are permanent.

**There is only one organization working worldwide to solve this problem.**

### *The Global Crop Diversity Trust*

The Crop Trust was established in 2004 by the United Nations Food and Agriculture Organization and the CGIAR, and is now an independent organization under international law. The Crop Trust operates as an essential element of the funding strategy of the International Treaty on Plant Genetic Resources for Food and Agriculture of 2001, which 135 countries have signed.

Each element of the Crop Trust's core activities works to promote an efficient, sustainable, and cost-effective global system to conserve agricultural biodiversity. The organization focuses on international ex situ collections of major crops vital for global food security, particularly in Least Developed Countries.

The principal activities of the Crop Trust include the following:

- The **Genebanks CGIAR Research Program**: Funding the routine operations and upgrading needs of crop collections of global significance
- The **Crop Wild Relatives** Project: Working with a wide range of national partners to collect the wild relatives of domesticated crops so as to enhance their genetic pool and provide new options for crop improvement programs
- The **Svalbard Global Seed Vault**: Funding the ultimate safety back-up facility deep in the Arctic permafrost where more than 864,000 duplicates of the world's seed collections are stored
- **Information Systems** (GRIN-Global, Genesys, & DivSeek): Developing and improving global information systems for managing and sharing data to enhance access to the collections, and provide more options for plant breeders everywhere

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### *Fundraising for an Endowment*

To achieve its mandate of securing crop diversity, the Crop Trust was established to build an Endowment Fund. The Endowment is designed to keep its principle amount in tact, with the investment income going to support crop collections across the world. This structure yields long-term financing, while only requiring a one-time contribution from donors.

Under Phase 1 of the fundraising strategy, the Crop Trust's objective is to reach an Endowment total of **USD 500 million** by the end of 2016. This level will allow the organization to draw USD 20 million in annual investment income to safeguard international crop collections. Phase 2 of fundraising aims to increase the Endowment size further to reach **USD 850 million** in total and final size. The additional USD 350 million in endowment resources is to be provided primarily by private sector donors to secure selected national crop collections that hold plant genetic resources of international significance. The Crop Trust recently developed its National Crop Collections Strategy to identify such collections that are at risk of being lost due to insufficient available funding.

To date, some 40 donors have contributed more than USD 260 million, of which USD 170 million is secured in the Endowment Fund. Financial backing has been received from 18 countries. Further contributions have been received from foundations, particularly the Bill and Melinda Gates Foundation, industry associations, corporations and individual households.

### *The Next Steps*

In April 2016, the Crop Trust will take a major step toward reaching the endowment target at the organization's first and only international pledging conference. This will take place in Washington, DC in conjunction with the IMF/World Bank Spring Meetings and invite some 50 nations to build a broad coalition to save the global common good of crop diversity. The conference will be chaired by the German Minister of Economic Cooperation and Development and the Norwegian Minister of Foreign Affairs. The World Bank Vice President and Fund Council Chair will open the meeting, followed by a keynote address from the Deputy Secretary General of the United Nations.

The Crop Trust is grateful to its current supporters and looks forward to joining others on the path towards achieving global food security.

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