



# Mirova Biodiversity Equity Strategy

Thematic focus | Sustainable Land Use



## Sustainable Land Use

- Sustainable Water Management
- Waste & Circular Economy
- Climate Solutions

## Why this thematic?

Land-use change is among the major drivers of biodiversity loss<sup>1</sup>

Our **global food system** exhibits the highest pressure on biodiversity<sup>2</sup>

It accounts for:

- **30%** of global greenhouse gas emissions<sup>3</sup>
- **70%** of global freshwater withdrawals<sup>4</sup>
- **75%** of global deforestation<sup>5</sup>

→ We need to re-think our global agri-food system to be in the position to feed a **~10 billion global population by 2050<sup>6</sup>**.

## Investment opportunities

The agri-food system is going through a massive transformation, at the heart of which, we believe lie agricultural technology and food innovation.



### AGRICULTURAL TECHNOLOGY

Agriculture is one of the last major sectors to use technology and artificial intelligence to reduce harmful impacts on the environment.

Smarter agricultural decisions could significantly reduce the use of chemical fertilizers/pesticides, therefore **lowering input costs and optimizing overall profitability**

Agriculture connectivity is expected to unlock more than **\$500 billion of global GDP** by 2030<sup>7</sup>



### FOOD INNOVATION

The evolution of global diets will be essential to stimulate climate action while unlocking exciting growth opportunities.

- Livestock farming accounts for 80% of agricultural land use
- About a third of anthropogenic methane emissions come from livestock

The market for plant protein is expected to reach **\$290 billion** by 2035<sup>8</sup>

## Examples of the types of targeted companies



Leading agricultural technology and equipment companies providing precision agriculture (Ag) solutions.



Leading specialty ingredients companies providing bio-solutions supporting improved human nutrition through the shift towards plant-based alternatives.

We invest in high quality and fast-growing companies well positioned to benefit from the digitalization of the agriculture sector and the structural shift of consumer preferences towards higher quality, healthier and organic food.

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1.According to the IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services). 2.Source: BCG, The Biodiversity Crisis, March 2021 3.Source: FOA, The State of Food and Agriculture 2023 report, McKinsey & Co – Agriculture’s connected future. 4.IAEA, Agricultural water management 5.Source: Our World in Data, cutting down forests : what are the drivers of deforestation 2021. 6.Source: UNEP. 7.Source: McKinsey & Co, Agriculture’s connected future : How technology can yield new growth (2020) 8.Source: BCG, Alternative-protein market to reach at least \$290 billion by 2035 (2021).

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