## A Code of Ethics for Purpose-driven Analytics at scale

Our experience and learning @Nestlé in the continuum across data, analytics and AI



#### Nestlé at a glance



- CHF 92.6 billion in sales in 2019
- Over **2 000** brands
- **1.2 billion** products sold every day
- Products sold in **187** countries
- 300 000 employees
- 403 factories in 84 countries
- $\rightarrow$  Data + Tech: challenges at scale!



## F.A.I.R. is the foundational framework of our data strategy



Findable addresses the need to understand what existing data assets are available and their meaning



Accessible provides the means for retrieving data assets, while considering authorization needs



Interoperable relates to linking and exchanging data in a common way and with a common dictionary



Reusable clarifies the usability of data in a new context according to its origin, quality and compliance aspects

#### A data set is a Data Asset if it's F.A.I.R.



#### Building blocks of our strategy to become a data-enabled cognitive enterprise





## A VALUES-BASED APPROACH TO AI ETHICS

These principles are interconnected and mutually beneficial.

They are rooted in Nestlé's culture of integrity, and in particular its approach to ethical business

They are now part of the Business Principles at corporate level



# ENVIRONMENTAL & SOCIAL WELLBEING



#### Sustainability Operating System

Tech & Data for Good vision to bring superior data, technology and digital capabilities that enable Nestlé Sustainability goals

REDUCE REUSE RECYCLE		CLIMATE PLEDGE			IT FOR GOOD
•	Drive circular principles via our systems.(Design, Sourcing, Manufacturing tbc)		Automate actionable carbon reporting - that drives reduction.	•	Improve environmental impact of IT (CO2, eWaste, Energy, Travel)
		•	Enable future simulation and		0,,,
1.5	Automate actionable		scenario planning.	•	Establish IT innovation
	packaging reporting.		Lico Al to entimize the value		ecosystem to crowdsource,
		1.	Use AI to optimize the value		develop and accelerate
11	Activate data sharing with partners to boost recycling.		chain and increase resilience.		solutions.
		•	Inform recipe management by		
•	Nudge consumer behaviors using eComm, Digital, Mobile, AR/VR		embedding carbon emission data.		

----- Sustainability Data Fabric ------Farm to Fork Supply Chain Transparency

#### Focus Areas

# Incorporating human and global environmental Focuses on: Encouraging sustainability and ecological responsibility

## TRANSPARENCY/ EXPLAINABILITY







## DIVERSITY, NON-DISCRIMINATION &



### **Considerations:**

- Trust
- Do the right thing
- Business results via D&I





With a strong focus on legal compliance and consumer privacy protection, we can aim to provide personalized services and engagement





## ACCOUNTABILITY & TECHNICAL ROBUSTNESS

#### Data for Good ⇔ Talent for Good



## Learnings

- Tackle ethics principle early in your data/Al journey, strongly linked to company purpose
  - Strong foundation like F.A.I.R. for your data strategy
- Think about up-skilling/re-skilling of workforce. Domain expertise is key
- Demystify/break down complexity





٠