



INCREASING TRANSPARENCY IN THE BUILDING INDUSTRY

EPD PROCESS CERTIFICATION

Day in **day out**, construction sites all around the **world** can count on **Mapei**

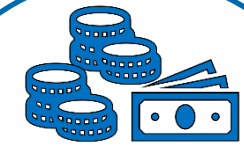
Marco Mazzetti: Sr. Sustainability Expert

MAPEI: THE COMPANY

SOME NUMBERS



MAPEI[®]
ADHESIVES · SEALANTS · CHEMICAL PRODUCTS FOR BUILDING



2.5

Billion euros estimated turnover in 2018



more than

25.000

Tons of products shipped every day



more than

10.000

Employees, with 12% working in R&D



28

Main research centres in 18 countries



more than

5.000

Products for the building industry



3.000.000

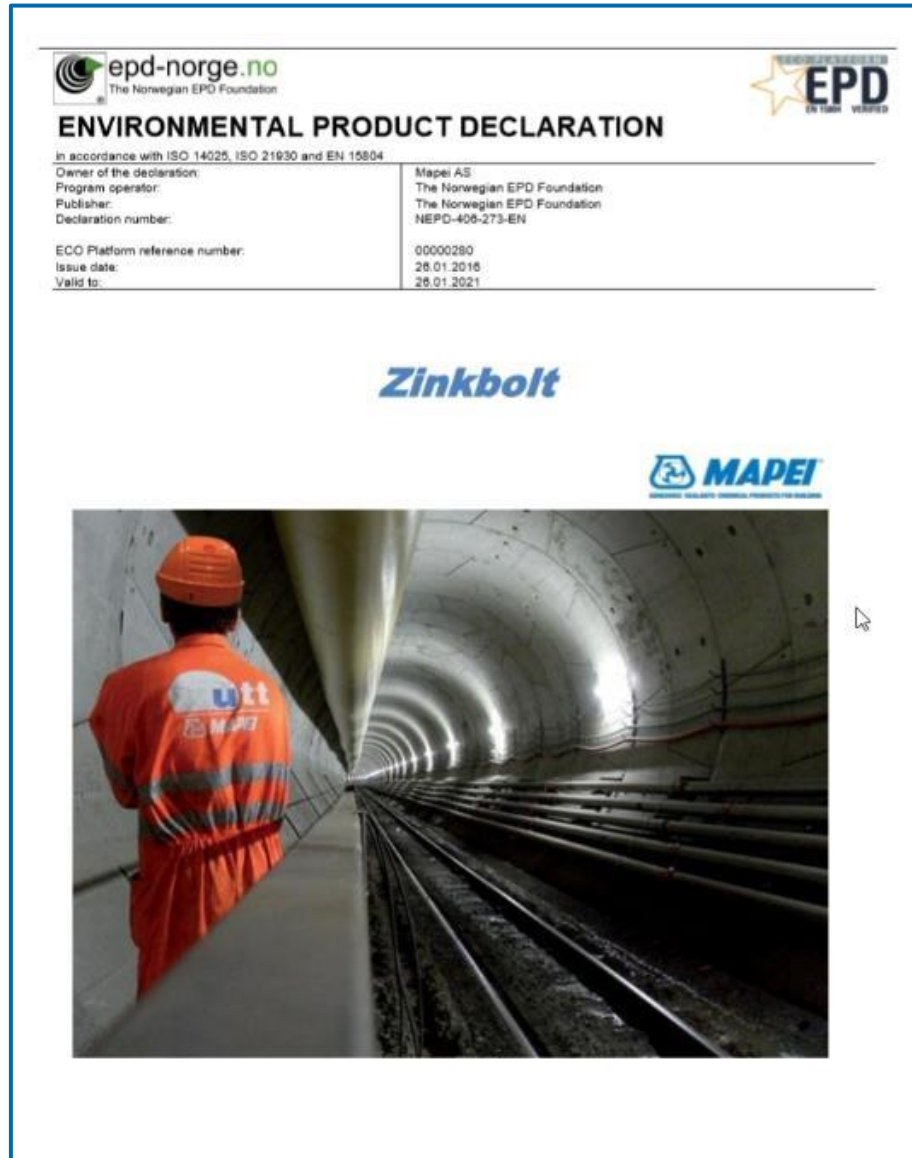
Tons of CO₂ saved thanks to Mapei additives for cement grinding



81

Plants in 5 continents in 35 countries

EPD: OUR FIRST STEP



COLLECTION OF PRIMARY DATA

MODELING WITH SOFTWARE

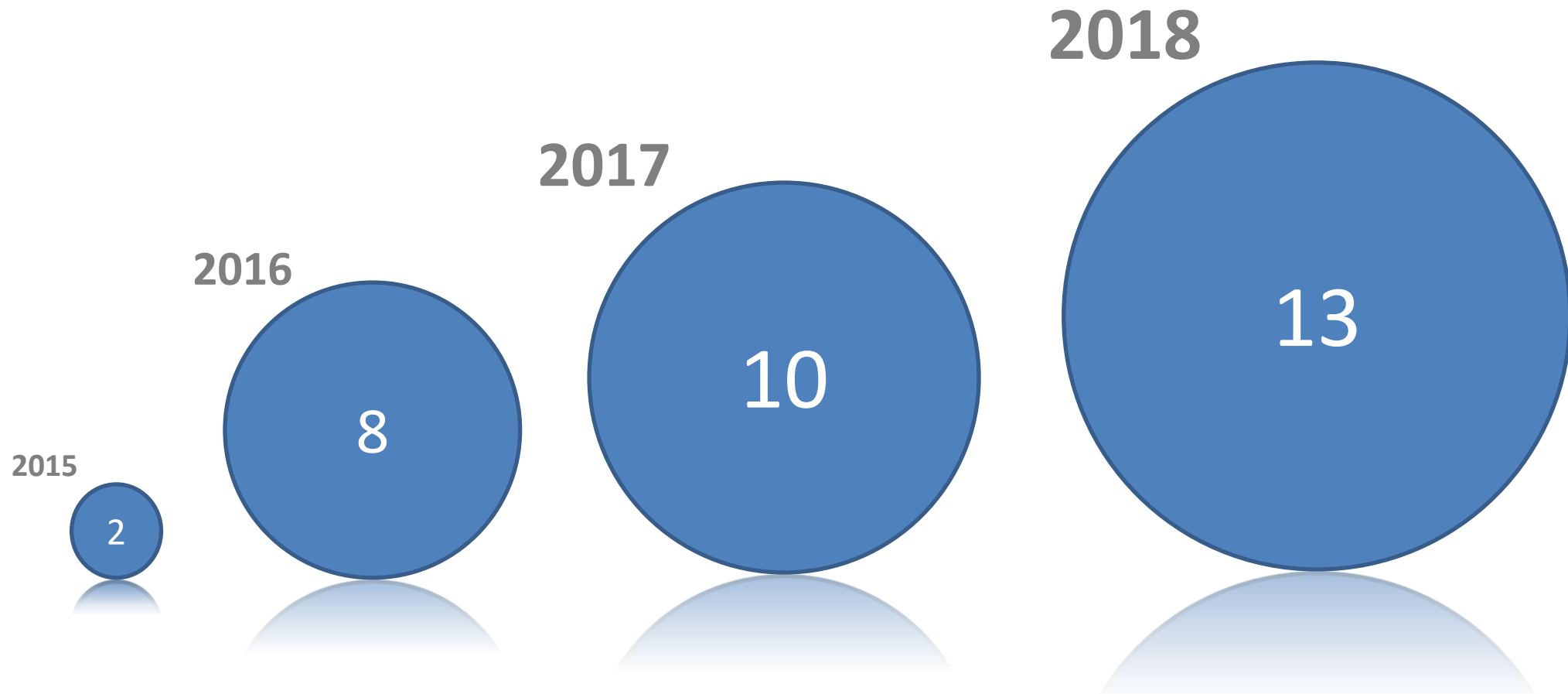
CERTIFICATION

PUBLICATION

AROUND
5-6
MONTHS

EPD: INCREASING OF REQUESTS

REQUESTS DURING YEARS:



EPD PROCESS: WHAT DOES IT MEANS

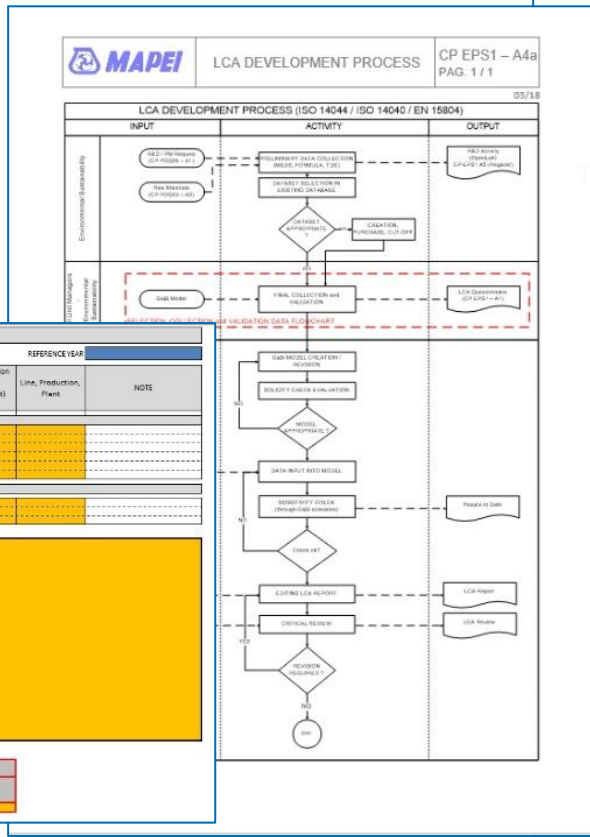
WHAT TO DO:

- PREPARE PROCEDURES AND INSTRUCTIONS TO DESCRIBE THE PROCESS

PRODUCTION						
						REFERENCE YEAR
INPUT	primary data	Reference production volume (line, department, plant) [ton/year]	Line, Production, Plant			NOTE
ENERGY & WATER INPUT						

AIR EMISSION						
						REFERENCE YEAR
UNIT OF EMISSION	CONCENTRATION EMISSION [mg/Nm ³]	PAYLOAD [Nm ³ h]	RUN TIME [year]	REFERENCE PRODUCTION VALUE [ton/year]	LINE / PLANT	NOTE
Particle material 1						
Particle material 2						
Particle material 3						
Particle material n						

COLLECTING DATA		
Sources	Data collected from:	Role:



INDEX

- INDEX 1
- 1. SCOPE AND APPLICATION FIELD 2
- 2. REFERENCES 2
- 3. DEFINITIONS 2
- 4. RESPONSIBILITIES 6
- 5. PROCEDURE 6
- 5.1. GENERAL 6
- 5.2. LIFE CYCLE INVENTORY ANALYSIS (LCI) 7
- 5.3. DATA INPUT AND CALCULATIONS 7
- 5.4. DATASET AND SECONDARY DATA 8
- 5.5. IMPACT ASSESSMENT 8
- 5.6. CRITICAL REVIEW 8
- 5.7. CERTIFICATION OF THE STUDY 9
- 5.8. VALIDITY OF THE STUDY 10
- 5.9. EPD 10
- 6. RECORDS AND COMMUNICATION 11
- 7. DISTRIBUTION LIST 11
- 8. ATTACHMENTS 11

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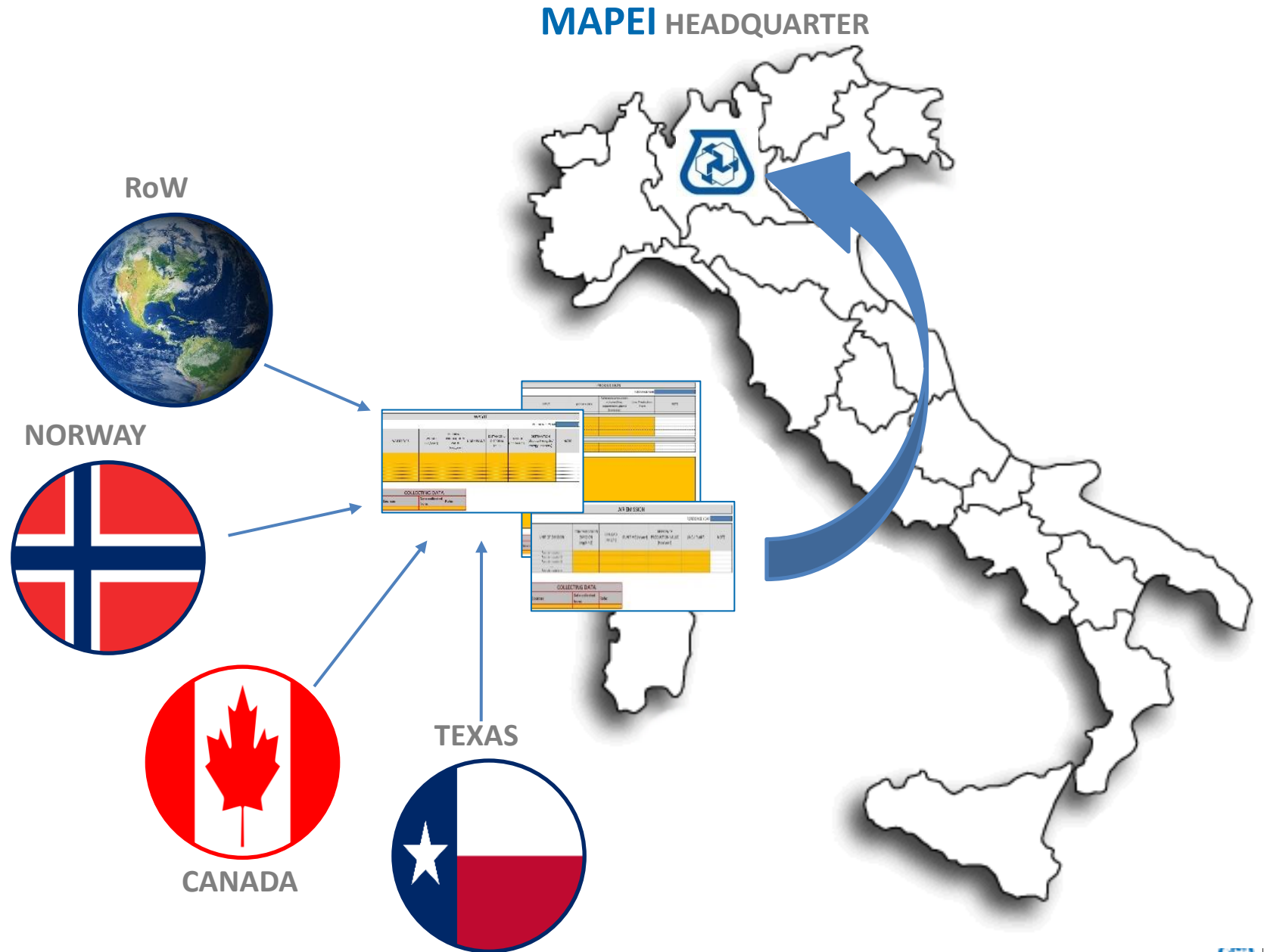
Nature of the variations date
 ⇒ § 7: Distribution List: Leoni replaced with Decio

Emessa da: *M. Decio* Verificata da: *M. Mazzetti* Approvato da: *R. Leoni*

EPD PROCESS: WHAT DOES IT MEANS

WHAT TO DO:

- ANNUAL EPDs REVISION



EPD PROCESS: WHAT DOES IT MEANS

WHAT TO DO:

- MANAGING INTERNAL AND EXTERNAL AUDIT



INTERNAL AUDIT BY
MAPEI AUDITOR:

- 1 TIME / YEAR and
MANAGEMENT REVIEW



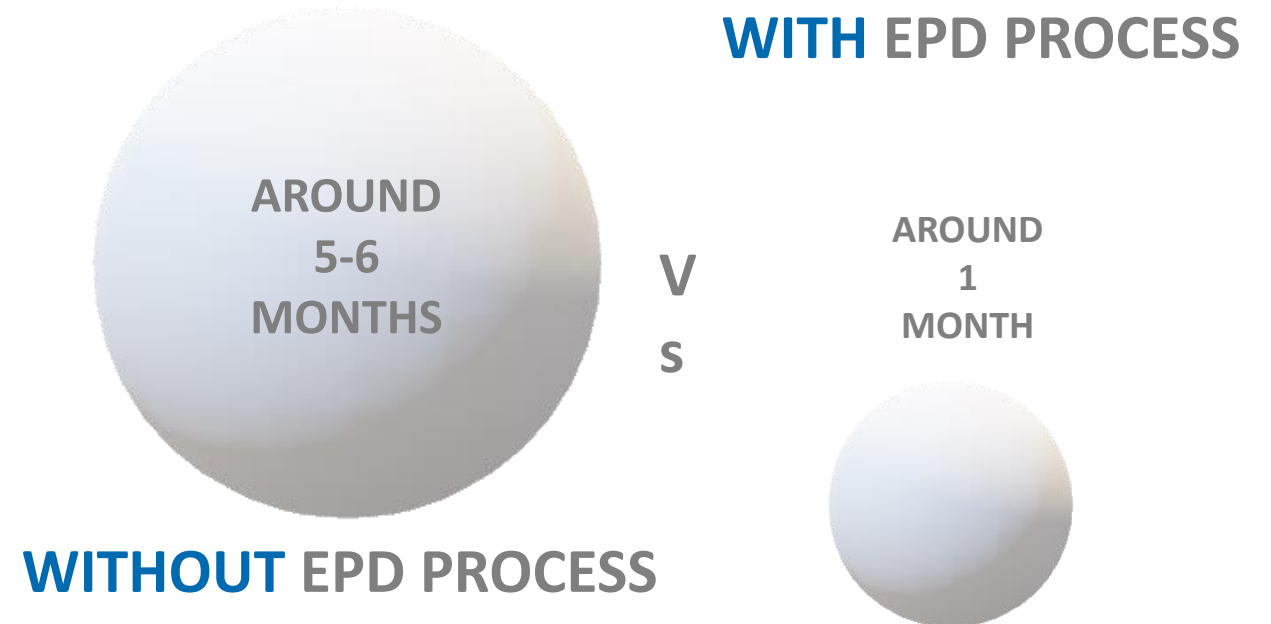
EXTERNAL AUDIT:

- 1 TIME / YEAR – ANNUAL CHECK
- 1 TIME / 5 YEARS – EPD PROCESS
CERTIFICATE RENEWAL

EPD PROCESS: PROS

WHAT YOU CAN OBTAIN:

- **TIME** REDUCTION FOR ISSUING AN EPD



- **COST** REDUCTION FOR ISSUING AN EPD

EPD PROCESS: PROS

COMPETENCE

(HIGH TECHNICAL KNOW-HOW)



PEOPLE

(LCA & SUSTAINABILITY EXPERTS)

INVESTMENTS
(R&D, COMPANY POLICY)



EPD PROCESS: PROS

WHAT DO YOU NEED:



 **MIKAELA DECIO**

 **LAURA CARETONI**

 **MARCO MAZZETTI**

TRAINING (CONFERENCES, SEMINARS, COURSES)



SEMINARIO: PROGETTARE SOSTENIBILE CON MAPEI



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