



LANXESS – committed to sustainable chemistry

ESG Equity Story

Investor Relations

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Agenda

1 LANXESS ESG strategy

2 Key pillars of our ESG strategy

3 Ratings, EU taxonomy and financing

4 Contact and further information

LANXESS as part of the chemical industry enables the transformation towards a sustainable society



New Mobility

Renewable Energy



Water Treatment



Circular Economy



Chemicals for battery production enable GHG-reduced solutions such as e-mobility

High-end materials such as lubricants support sustainable energy generation

Ion exchange resins can purify water providing drinking water and helping wastewater treatment

Recycling enables the recovery of molecules, reduces waste and makes re-use possible

Sustainability is a business case and drives our economic and strategic success



We drive sustainable solutions...

Societal needs which we can and want to fulfill, e.g.

- Need for clean drinking water for a growing world population
- Disinfection to prevent the spread of diseases
- Additives to increase product life and thus reduce waste



... and see clear financial benefits

- Energy-efficient production: Cost saving potential by determination in addressing areas of sustainability risks
- Acceptance and reputation: Strategic investment decisions by shifting into "tomorrow's markets" with growth and innovation potentials
- Better, integrated decision-making: Position ourselves with a foresighted business strategy and thereby secure our financial base

Sustainability commitment as our license to operate



We offer extensive transparency on our commitment to sustainability



We commit to several initiatives and frameworks



















We offer transparency on where we stand complying with standards and regulations













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We have defined clear targets and objectives for the sustainability areas we consider most important



CLIMATE

- ➤ Climate neutral by 2040 for Scope 1 & 2: -80% CO₂e emissions by 2030 versus 2004
- Net zero by 2050 for Scope 3: -60% CO₂e emissions by 2030 versus 2015

WATER

➤ Reduction of absolute water withdrawal at water risk and stress sites by 9% until end of 2028 versus 2019

PRODUCTS

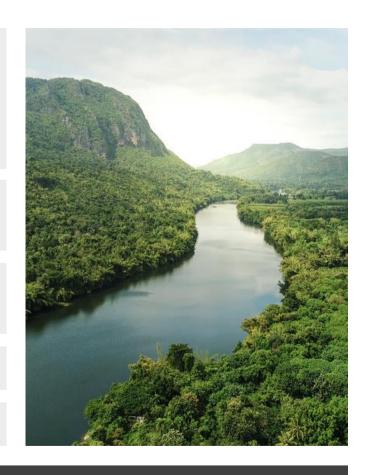
➤ Phase out of 2021/2023 roadmap products by 2026, innovate and substitute by 2030

SAFETY

> Aiming for zero accidents

DIVERSITY

➤ Proportion of women in management¹ at 30% in 2030



Ambition: LANXESS, a leading, resilient, and sustainable company

¹ Management refers to all managerial employees below the Board of management



Climate strategy



We are enroute towards climate neutrality

Scope 1 & 2

Climate Neutral 2040

CLIMATE 2040

Scope 3

Net Zero Value Chain 2050

NET ZERO\VALUE CHAIN

Reduce CO₂ emissions from our own production and purchased energy (Scope 1 and 2)

- I. Realize major impact projects for climate protection
- II. Decouple emissions and growth
- III. Pursue technological innovations

Reduce CO₂ emissions from our value chain (Scope 3)

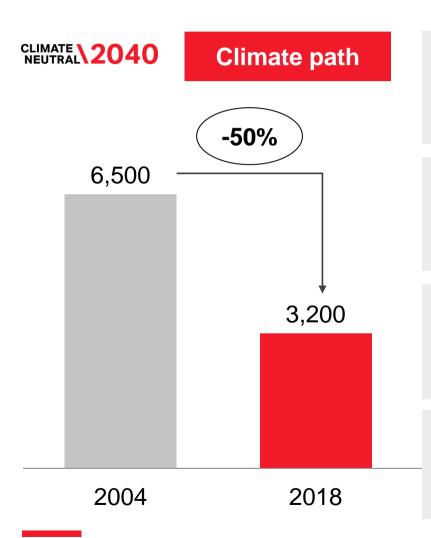
- Use of sustainable raw materials
- II. Transition to green logistics
- III. Increasingly offer low-carbon and climate-neutral products



Near-term (2030) and net zero targets approved to be on 1.5-degree climate path by SBTi¹

We have a long track record of climate protection projects – significant reduction already since 2004





Nitrious oxide reduction plant in Krefeld-Uerdingen, Germany

- Reduction by 1,500 kt CO₂e/year
- Awarded several times

Co-generation plant in Porto Feliz, Brazil

- Degree of efficiency of up to 90 percent
- Powered by biomass, thus CO₂-neutral

Steam network in Antwerp, Belgium

 Highly efficient due to joint energy use by numerous partners in the port of Antwerp

Portfolio optimization

Focus on low-emission specialty chemicals



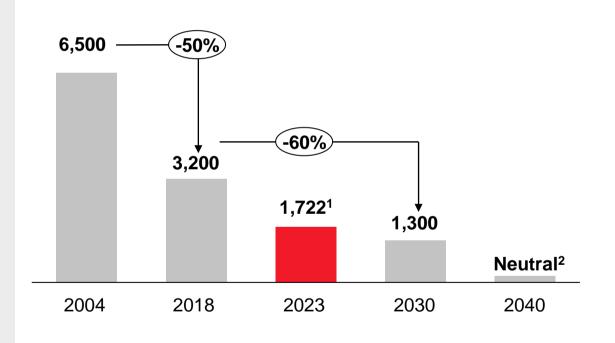
Our projects to reduce Scope 1 and 2 emissions are on track



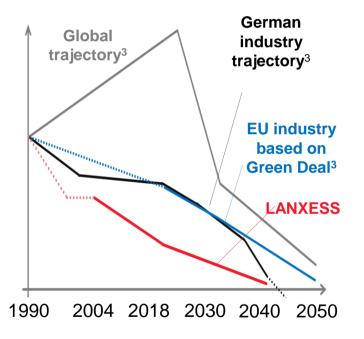
CLIMATE 2040

Our path to climate neutrality

- 1 Realize major impact projects
- Decouple emissions & growth
- 3 Pursue technological innovations



We are ahead of EU regulation



in thousand metric tons of CO₂e Scope 1 and 2 emissions

Scope 1 and 2 emissions

We are on track to achieve target set for 2030

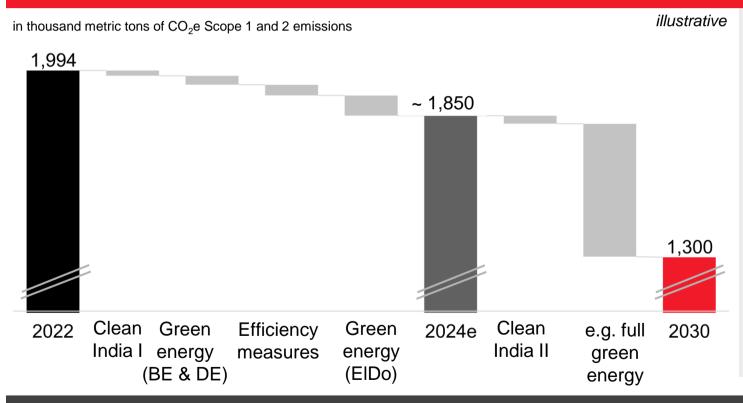
¹ Only continuing operations. 2023 figure distorted by very low utilization. | ² Climate neutral: Less than 220k tons of CO₂ equivalents (e) per year. These will be reduced through compensation measures. | ³ Estimation based on AGORA Energiewende



Our projects to reduce Scope 1 and 2 emissions are on track



Several measure are in our pipeline for the upcoming years



Green energy in BE & DE: Purchasing green electricity in Belgium and Germany (outside Niederrhein sites)

Clean India: Remaining savings by switching completely from coal to biomass (in total 150 kt)

Clean energy in EIDo: Reduction by securing certificates for CO₂ free electricity in EI Dorado, AR (USA) based on long term PV PPA and atomic certificates

We are on track to achieve target set for 2030

Our transition to CO₂ neutral production in India is far advanced



CLIMATE 2040



Major impact project (example)



- Terminate use of coal-based energy sources at our sites and switch to biomass and renewable energies
- Total investment of EUR 10-15 million

Emissions at Indian sites (base year: 2018)





Total target for emissions Reduction: ~ 150 kt CO₂e / year



We will fully transition to green electricity supply in the next decade



CLIMATE 2040



Major impact project (example)



- Full supply contract with ENGIE concluded for selected German and Belgian sites with a volume of 1,400 GWh
- More than half is green electricity from wind and solar parks (17 wind farms and 4 solar parks in Germany)
- Supply to Bergkamen, Bitterfeld, Brunsbüttel,
 Mannheim and Antwerp sites

Total emission reduction started in 2023 Reduction: ~ 33 kt CO₂e / year





Recent acquisitions and investments are in line with climate neutral strategy



CLIMATE 2040



Decouple emissions and growth

Organic growth

 Resulting CO₂e emissions increase of annual volume growth must be compensated by innovations and technologies

Acquisitions

- All potential targets are analyzed with regards to their CO₂e balance
- Businesses are only acquired if emissions fit in our climate neutral strategy; our recent acquisitions of Emerald Kalama Chemical and IFF's Microbial Control business are aligned with this strategy





Various smaller projects for emission reduction successfully in place



CLIMATE 2040



Pursue technological innovations (examples)

Rethink and adapt energy and CO₂ intensive chemical processes

Digitalization in Leverkusen

New program enabling the live simulation of production processes for phosphorus chemicals plant allowing us to reduce steam consumption

Reduction: ~ 4,000 t / year

Leverage "Verbund" structures for more integrated solutions

Steam plant network in Antwerp

Commissioning of a steam plant network in partnership with other chemicals companies reducing energy costs and CO_2 e emissions

Reduction: ~ 10,000 t / year

Emphasis on CO₂ intensity as criterion in the R&D process

Priority for CO₂ projects





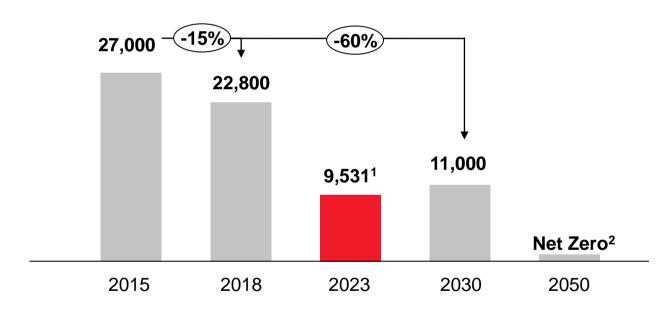
We aim to reduce and ultimately neutralize our Scope 3 value chain emissions



NET ZERO\VALUE CHAIN

Our path to Net Zero

- 1 Use of sustainable raw materials
- 2 Transition to green logistics
- Increasingly offer low-carbon and climate-neutral products



in thousand metric tons of CO₂e Scope 3 emissions

We are on track to achieve target set for 2030

² "Net zero" will be achieved by a combination of positive and negative emissions during the life-cycle. Final 10% of emissions (equal to ~1,475 kt CO₂ in relation to 2021 baseline) will be reduced by compensation measures.



¹ Only continuing operations. 2023 figure distorted by very low utilization.

Sustainable raw materials are the key to climate neutrality in the value chain



NET ZERO\VALUE CHAIN



Use of sustainable raw materials

LANXESS and TotalEnergies cooperate on sustainable styrene

- Biocircular styrene based on tall oil derived from a tree resin
- LANXESS uses the styrene to produce sustainable ion exchange resins, e.g., used in treatment of wastewater and chemical process flows
- Sustainable origin is certified in accordance with ISCC¹ PLUS standard

LANXESS and Covestro cooperate to produce more sustainable raw materials

- LANXESS sources chlorine, caustic soda and hydrogen from the ISCC PLUS-certified sites of Covestro in Leverkusen and Krefeld-Uerdingen
- Covestro uses electricity with certificates of origin from hydropower for electrolysis





We make our logistics "greener" by using lowemission transport options

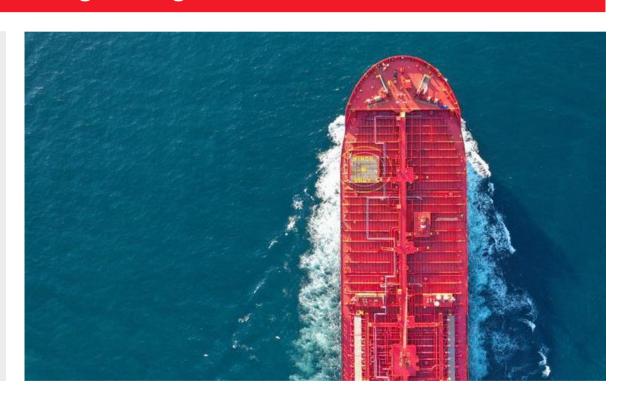


NET ZERO\VALUE CHAIN



Transition to green logistics

- Increase transportation asset utilization
- Optimize freight transport modes
- Reduce freight transport demand
- Utilize "green ships"
- Improve fleet partner energy efficiency



Reducing emissions from logistics is a small but still important lever



We strive for a sustainable, climate-neutral product portfolio without compromising product performance



NET ZERO\VALUE CHAIN



Increasingly offer low-carbon and climate-neutral products (examples)





- First sustainable ion exchange resin used in water filter cartridges
- Resins are based on biocircular acrylonitrile resulting in a sustainable raw material share of more than 90%
- Production in compliance with certified ISCC Plus standards



- Is used in resins and polyurethane applications
- TMP Scopeblue is based on more than 50% circular Butyraldehyd as a raw material (ISCC Plus certified)
- Sustainable drop-in for existing formulations without compromising performance





Sustainable products

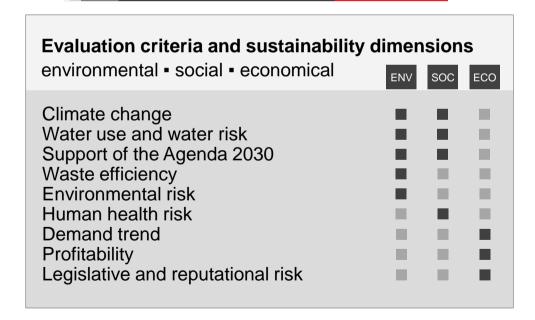


Our product classification system identifies the share of sustainable products in our portfolio



The share of sustainable products is increasing

LANXESS Product Sustainability Monitor



Energizer
30% of sales

Outstanding sustainability performance

Very low to low environmental impact

Contribution to at least one SDG

Performer 53% of sales State-of-the-art sustainable products

Fulfill or exceed sustainability requirements

Low to medium environmental impact

Transitioner 6% of sales

 Not (yet) fulfill all LANXESS sustainability requirements

Active steering and improvement processes

Roadmap 2024/2026

9% of sales

 End-products¹ with sustainability concerns containing >0.1% critical substances

Managed in roadmap processes until 2026

Phase-out

Roadmap products from 2021/2023 either with substitution by 2030 or phase-out by 2026



¹ Not considered as chemical end-products are chemical intermediates sold to chemical-industry customers.

We support our customers in reaching their climate goals



Life Cycle Assessments

- Systematic analysis of input and output streams over the entire lifespan of our products
- Assessment according to ISO 14040/44

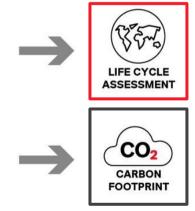
Product Carbon Footprints

- Engine that automatically calculates the carbon footprint for LANXESS' products
- Calculates the emissions generated according to the cradle-to-gate approach
- Method certified by TÜV Rheinland in accordance with the ISO 14067

How does this work?



MAKING IMPACTS TRANSPARENT



Product Carbon Footprint and Life Cycle Assessments support our customers to make the right choices on their path to climate neutrality and better environmental performance.



Example to fighting climate change: LEWATIT® adsorber enable direct air capture of CO₂

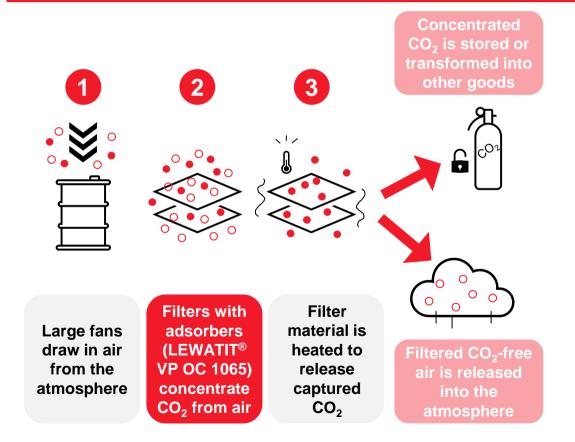


LANXESS product used for CO₂ reduction

- Recent studies propose that GHG emission savings are not sufficient to fight climate change
- Additional measures need to be taken to reduce the amount of CO₂ which is already in the atmosphere

LEWATIT® VP OC 1065 adsorber facilitates the CO₂ removal from air via direct air capture

How does direct air capture work?







Water and waste



We have a clear strategy for sustainable water management



LANXESS Water Program

- 2023 target of "15% absolute reduction of water withdrawal until 2023 at water risk sites" reached
- New ambitious targets have been set

- Global target: To reduce annual water consumption by 2% despite organic growth
- Local targets: Reduction of absolute water withdrawal at LANXESS water risk¹ and water stress² sites by a total of 9% until 2028
- Implementing WASH Pledge measures until 2028 (WASH4WORK)



CDP honored our efforts in water security again with an A- rating in 2023





¹ Water risk sites: Nagda and Jhagadia (both India), Latina (Italy) and Qingdao (China)

² Water stress sites (without water risk sites): East Hanover and Perth Amboy (USA), Laval (France), Liyang (China), Merlo and Porto Feliz (Argentina)

We efficiently use our integrated production structures to reduce waste streams



LANXESS Waste Management

- We strive to avoid hazardous & non-hazardous waste
- Integrated production sites enable us to re-use many residues and by-products in neighboring plants (own and other chemicals companies)

Examples for efficient use of waste streams

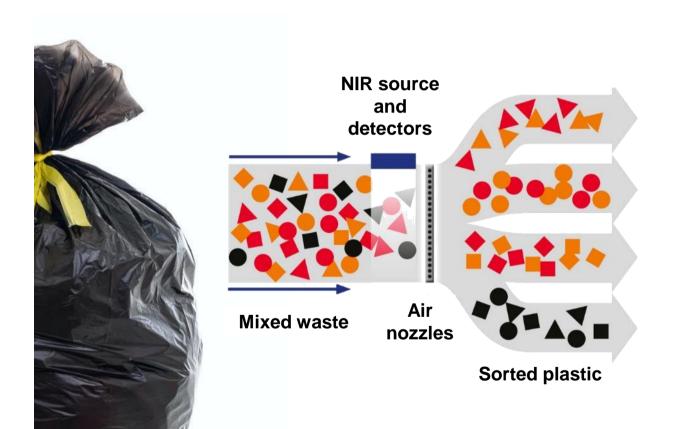
- Internal use: In Leverkusen, ammonia water, a byproduct from our BU LPT, used as a raw material by the neighboring hydrate plant run by our BU AII instead of fresh ammonia
- External use: In Uerdingen, our BU AII passes on glutaric acid – a by-product of adipic acid production – to a partner for their production





Example for waste reduction: Pigment solution ensures sorting of black plastics for recycling





LANXESS product facilitates recycling

- Black plastics are largely colored with carbon black which is not detectable in sorting machines
- LANXESS black pigment BAYFERROX®
 303 T makes black plastic detectable by machines, thereby improving recycling results

Reliable sorting of black plastics can be realized, and thermal decomposition avoided



Conserving biodiversity is an essential pillar of our pledge to promote sustainability



Responsibility along the value chain



Safe & Sustainable sites



Sustainable products



- We strive for circular & sustainable sourcing
- Raw materials that we procure should be in line with recognized standards of sustainability
- Endeavour to avoid non-hazardous and hazardous emissions in soil, air and water
- Clear commitment and targets for water withdrawal, use and limitation of water pollution
- Clear climate strategy

- Improvement of sustainability performance of our product portfolio as integral aspect of product responsibility
- Product Sustainability Monitor used to categorize our product portfolio and identify share of sustainable products and those with improvement potential

- Climate change and water-related issues (water withdrawal, use & pollution) as the primary drivers of the potential environmental and biodiversity impact of the chemical industry
- We have already established commitments, strategies, and specific targets for both topics



Working at LANXESS



We have a strong commitment towards diversity and inclusion



Success driven by personal commitment of each and every employee



Further increase proportion of women in...



- Management¹ to 30% by 2030
 Currently at: 26.1%
- 1st level below Board of Management to 25% by 2027
 Currently at: 23.1%
- 2nd level below Board of Management to 28% by 2027
 Currently at: 28.4%

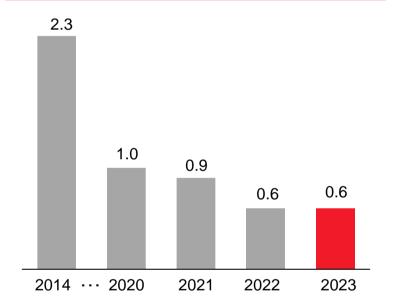
We are on track with achieving our targets and plan to further foster diversity and inclusion



We view social principles as major drivers for sustainable success



Ambition: Avoid all accidents



LTIFR¹: Accident rate per million hours worked; starting 2023 only continuing operations

Social principles are more than diversity indicators

- Commitment to ILO² convention and its principles for work
- We set the target to reduce LTIFR in 2025 by more than 50% versus 2014
- Initiatives fostering occupational health and safety, e.g., platform with various offers around health and prevention measures
- Fair compensation and comprehensive benefits, e.g., (child-)care, maternity/ paternity leave, pension, transition into retirement and for different insurances
- Comprehensive concepts for employee qualification, e.g., reflected in high ratio of apprentices hired after completing the training
- Close and regular collaboration with works' councils and labor unions

Our social principles are embedded in our Performance Culture





Governance approach



Our governance structure starting with the Supervisory Board ensures strategic oversight



Supervisory Board

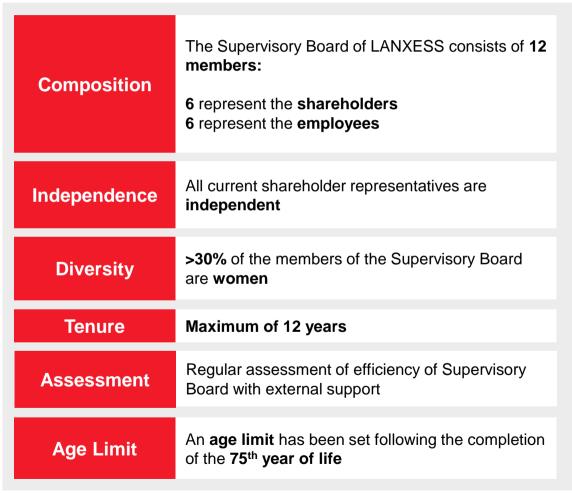
- Competence profile
- Sustainability embedded in yearly strategy review

Committees

- Sustainability (CEO)
- Risk (CFO)
- Investment
- Digitalization

Compensation

- Long-Term Stock Plan
- Sustainability
 Performance Plan
- Short-term incentive incl. non-financial target





Broad Competence profile to ensure specialist knowledge and experience

Chemical industry, international management, corporate governance/compliance, strategy, M&A, production, marketing & sale of chemical products, raw material procurement, energy & services, HR/codetermination, investor relations, corporate financing, accounting and auditing, risk management, IT/digitalization and ESG



CEO-led committee structure guarantees effective sustainability management



Supervisory Board

- Competence profile
- Sustainability embedded in yearly strategy review

Committees

- Sustainability (CEO)
- Risk (CFO)
- Investment
- Digitalization

Compensation

- Long-Term Stock Plan
- Sustainability Performance Plan
- Short-term incentive incl. non-financial target

Sustainability Committee

Matthias Zachert (CEO)

Entire board reviews and tracks sustainability performance and aligns on targets and action plans quarterly

Sub-Committees

Climate and Energy

Health, Safety and Environment

Value Chain Circularity & Product Stewardship

Social and Governance

Stakeholder expectations & reporting standards

Hubert Fink

Hubert Fink

Frederique van Baarle

Frederique van Baarle

Oliver Stratmann

- Embedded in our Corporate Policy, Code of Conduct and Integrated Management Systems
- Close collaboration between Board of Management and Supervisory Board



Balanced compensation for Board of Management – significant share based on sustainability & safety targets



Supervisory Board

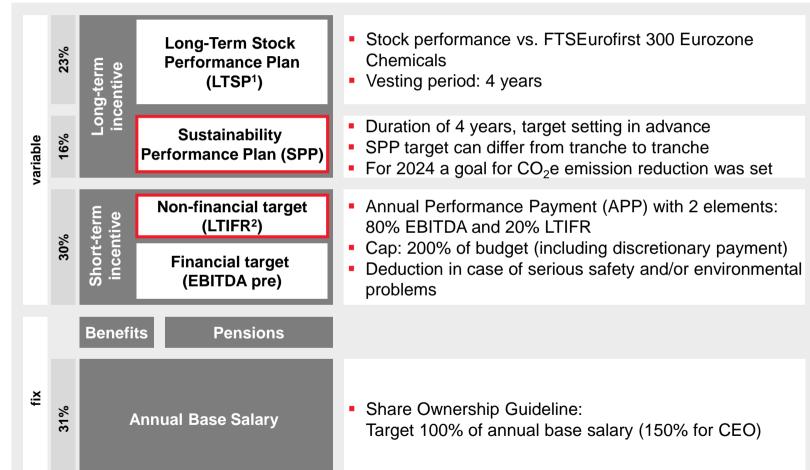
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- "Claw-back": Right to withhold or reclaim granted variable compensation
- ✓ Total compensation is capped³
- ✓ Discretionary payment is limited to 20% of total APP

¹ Current LTSP program | ² LTIFR = lost time injury frequency rate, known as MAQ in Germany | ³ The total cap includes all possible bonus payments from the variable remuneration and discretionary payments. Discretionary payment is limited to 20% of total APP and total payment (including discretionary payment cannot exceed 200% of annual base salary). It is only paid in exceptional cases and requires a reasonable and transparent justification by the Supervisory Board.



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Leading ESG rating providers honor our performance

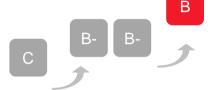




2nd highest category for 4th time Convincing governance set-up and climate strategy





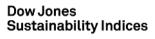


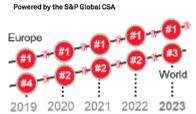
Prime status since 2020; B rating since 2024

Top 10%



In total, 7 times on Climate A list (among top 2%), 5th time in a row 2nd time A- rating for water disclosure





Top 10% in DJSI World (13th year) #1 in DJSI Europe (7th year) Sustainability Yearbook member

We are rewarded for our efforts on sustainability that go beyond the must-haves





Moody's Analytics





Our activities account only for minor CO₂e emissions, hence only minor taxonomy-eligibility



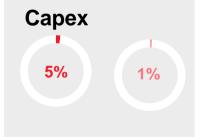
EU Taxonomy as one element of the EU's Green Deal

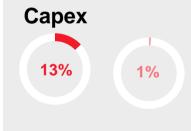
- For alignment with EU Taxonomy, assessment of¹:
 - Substantial contribution to one of six environmental objectives (so far, only "climate change mitigation" & "climate change adaptation" determined)
 - While doing no significant harm (DNSH) to any of the other objectives
- Taxonomy focuses on 93% of European Scope 1 CO₂e emissions; all other activities without material CO₂e emissions currently labeled as taxonomy-non-eligible
- Positive signal: Our minor share of taxonomy eligible activities was reduced even further through the carve-out of our HPM business unit into the joint venture with Advent

















We have also embedded sustainability targets in our financing strategy

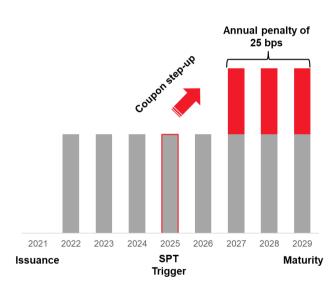


Sustainable revolving credit facility

- In 2019, consortium of 12 banks agreed upon parameters
- Volume of €1 bn
- Interest rate terms linked to two parameters:
 - Reduction of CO₂ emissions
 (Scope 1)
 - Increase in the proportion of women in management

Sustainability-linked bonds (SLB)

- Successful placement of two sustainability-linked bonds within our SLB financing framework
- Interest rate of bonds linked to reduction of CO₂ emissions
- If the target is missed, the interest rate will increase by 25 bps p.a. for subsequent interest periods until maturity
- Example bond 2021: €600 m, tenor: 8 years, coupon: 0.625 %



Maturity profile of 2021 SLB

Innovative sustainable financing concepts will enable us to achieve better financing conditions





On course for a more sustainable environment

Sustainability at the core of our strategy:

- ✓ Overarching targets
- ✓ Anchored in management remuneration
- ✓ Sustainability-linked financing
- ✓ Supporting a sustainable economy with activities and products



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Please contact us for more information on ESG...





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... or find additional information and documents on ESG here



- Sustainability Website
- Annual Report 2023
- Articles of Association
- Business Partner Code of Conduct
- Code of Conduct
- Compensation Report 2023
- Corporate Policy
- ESG Data Factsheet (KPI overview)

- ESG Background Papers on:
 - Climate
 - Water
 - Working at LXS
 - Value Chain Responsibility
 - Product Portfolio
- Position on Human Rights
- Political Activities
- Political Positions
- Taxation Policy

LANXESS Energizing Chemistry

The taxonomy climate criteria (1 & 2) cover activities responsible for 93% GHG emissions in the EU



Activities

Definition

Industry perspective

Enabling activities

e.g., Construction of solar photovoltaic technology

Activities which are needed to become climate neutral

- In general, only the last value-chain step covered
- Chemicals <u>not</u> considered by definition

Transformational activities

e.g., Manufacturing of plastics and of bulk chemicals

Activities which need to transform because they have high GHG emissions today

- Transformation pathways ("alignment"):
 - Chemicals: Technology (Capex)
 - Plastics: Raw material change (no Capex)

All activities <u>not</u> covered by taxonomy criteria 1 & 2

e.g., Manufacturing of specialty chemicals

Activities which in total do not have high GHG emissions today

 Activities should be considered as "aligned" per se