Project Syndicate: Europe's "Green China" challenge

If China commits fully to President Xi Jinping's recent pledge to achieve carbon neutrality by 2060, the implications will be far-reaching. This is particularly true for the European Union, which will have its own plans and policies both facilitated and challenged in unanticipated ways, **writes Daniel Gros for Project Syndicate.**

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A carbon-neutral China would have a huge impact on climate change

At the recent United Nations General Assembly, Chinese President Xi Jinping declared that his country will strive to become carbon neutral by 2060. It was a potentially highly consequential announcement, and it deserves more attention – not least from the European Union.

For the time being, a carbon-neutral China remains a vague political aspiration. The next step would be a formal commitment by China under the Paris climate agreement, followed by a clear

and credible plan

China produces nearly 30% of global carbon dioxide emissions from fossil fuels – about twice the share of the United States and three times that of the EU. Moreover, China's emissions are likely to continue increasing – Xi promised only that they would peak by 2030 – whereas the EU already has plans to cut its emissions by another 30 percentage points. This means that, by 2030, China's emissions might be 4-5 times the EU level. For this reason, China's achievement of carbon neutrality would have a much larger climate impact than Europe's efforts.

For the time being, a carbon-neutral China remains a vague political aspiration. The next step would be a formal commitment by China under the Paris climate agreement, followed by a clear and credible plan, with concrete milestones, for fulfilling that commitment.

China is likely to take these steps. After all, climate action is the one policy area where China genuinely can become a global leader in the near future, and the promise of carbon neutrality plays to China's strengths – namely, the government's ability to marshal vast amounts of investment in pursuit of an ambitious long-term goal.

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Furthermore, though China's saving rate has diminished somewhat in recent years, it still saves much more than Europe or the US. This implies that it can afford to invest in capital-intensive renewables like photovoltaic and wind and upgrade its housing stock. China can also afford to lose the resources that have been – and will be – spent on coal-fired power plants that will soon be rendered useless.

It helps that the costs of renewables have fallen to levels that enable them to compete with fossil fuels. And as experience – for example, with batteries – has shown, when production is increased significantly, unit costs will fall further and faster. Given the sheer size of its market, China's adoption of such technologies will have far-reaching implications for the green transition globally.

How will the EU stand up to "Green China"?

In fact, the Chinese market is already shaping sectors that are essential to the green transition – including energy and automobiles – though often in complicated ways. China is the world's largest market for cars with internal combustion engines, as well as for electric vehicles. The electricity needed to power the EVs still comes from coal-fired power plants, which not only emit greenhouse gases but also pollute the local environment. But China also invests more in renewables than any other country.

If China commits fully to a green transition, technologies like EVs and renewables are likely to become cheaper and more accessible than ever, with practical implications for Europe. For starters, China's commitment would render the carbon border tax – a central element of the European Commission's climate strategy – unworkable.

The Paris climate agreement, like the Kyoto Protocol that preceded it, is based on the principle of differential treatment of emerging economies, which have contributed far less to climate change than today's developed countries. It would be very difficult for the EU to justify a carbon border tax on imports from a country like China, which despite being much poorer than the EU, has made a similar zero-emissions pledge.

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Moreover, a carbon border tax can be defended only on the grounds that foreign production is much more carbon-intensive than European production. And while that may be partly true in China today, it will not remain so for much longer. The most modern and efficient steel-production facilities are being built in China, not Europe (where producers balk at the cost of refurbishing their old mills).

If China implements its long-planned emissions-trading system, and extends its coverage to industry, the EU's justification for imposing a carbon tax on Chinese imports would be eviscerated (after all, the EU's own Emissions Trading System is a sensible market-led approach, at least for industry and power generation). In that case, among the EU's major trading partners, only the US would still be subject to a EU carbon border tax.

China's green transition creates another conundrum for the EU: the technologies on which it rests are often developed and produced with support from the Chinese government. What should the EU do when such state-supported technologies arrive at its borders?

This dilemma is not new. In 2013, the EU imposed anti-dumping and anti-subsidy duties on Chinese solar panels. But the measures were gradually reduced, and eliminated in 2018. As much as the EU wanted to protect local producers of solar panels, getting renewables to world market prices was vital to support progress toward sustainability goals.

How the EU responds to the future arrival of green technologies from China remains to be seen. What already seems clear is that China's dual role – recognized by the European Commission – as a competitor and a partner will shape the ongoing green transition, with China's efforts both facilitating and challenging the EU's own plans and policies in unanticipated ways.

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Author

Alissa Lefebre

Economist
alissa.lefebre@ing.com

Deepali Bhargava
Regional Head of Research, Asia-Pacific
Deepali.Bhargava@ing.com

Ruben Dewitte
Economist
+32495364780
ruben.dewitte@ing.com

Kinga Havasi
Economic research trainee
kinga.havasi@ing.com

Marten van Garderen
Consumer Economist, Netherlands
marten.van.garderen@ing.com

David Havrlant
Chief Economist, Czech Republic
420 770 321 486
david.havrlant@ing.com

Sander Burgers
Senior Economist, Dutch Housing
sander.burgers@ing.com

Lynn Song
Chief Economist, Greater China
lynn.song@asia.ing.com

Michiel Tukker
Senior European Rates Strategist
michiel.tukker@ing.com

Michal Rubaszek
Senior Economist, Poland
michal.rubaszek@ing.pl

This is a test author

Stefan Posea
Economist, Romania
tiberiu-stefan.posea@ing.com

Marine Leleux
Sector Strategist, Financials
marine.leleux2@ing.com

Jesse Norcross
Senior Sector Strategist, Real Estate
jesse.norcross@ing.com

Teise Stellema
Research Assistant, Energy Transition
teise.stellema@ing.com

Diederik Stadig
Sector Economist, TMT & Healthcare
diederik.stadig@ing.com

Diogo Gouveia
Sector Economist
diogo.duarte.vieira.de.gouveia@ing.com

Marine Leleux
Sector Strategist, Financials
marine.leleux2@ing.com

Ewa Manthey
Commodities Strategist
ewa.manthey@ing.com

ING Analysts

James Wilson
EM Sovereign Strategist
James.wilson@ing.com

Sophie Smith
Digital Editor
sophie.smith@ing.com

Frantisek Taborsky
EMEA FX & FI Strategist
frantisek.taborsky@ing.com

Adam Antoniak
Senior Economist, Poland
adam.antoniak@ing.pl

Min Joo Kang

Senior Economist, South Korea and Japan
min.joo.kang@asia.ing.com

Coco Zhang
ESG Research
coco.zhang@ing.com

Jan Frederik Slijkerman
Senior Sector Strategist, TMT
jan.frederik.slijkerman@ing.com

Katinka Jongkind
Senior Economist, Services and Leisure
Katinka.Jongkind@ing.com

Marina Le Blanc
Sector Strategist, Financials
Marina.Le.Blanc@ing.com

Samuel Abettan
Junior Economist
samuel.abettan@ing.com

Franziska Biehl
Economist, Germany
Franziska.Marie.Biehl@ing.de

Rebecca Byrne
Senior Editor and Supervisory Analyst
rebecca.byrne@ing.com

Mirjam Bani
Sector Economist, Commercial Real Estate & Public Sector (Netherlands)
mirjam.bani@ing.com

Timothy Rahill
Credit Strategist
timothy.rahill@ing.com

Leszek Kasek
Senior Economist, Poland
leszek.kasek@ing.pl

Oleksiy Soroka, CFA
Senior High Yield Credit Strategist
oleksiy.soroka@ing.com

Antoine Bouvet

Head of European Rates Strategy
antoine.bouvet@ing.com

Jeroen van den Broek
Global Head of Sector Research
jeroen.van.den.broek@ing.com

Edse Dantuma
Senior Sector Economist, Industry and Healthcare
edse.dantuma@ing.com

Francesco Pesole
FX Strategist
francesco.pesole@ing.com

Rico Luman
Senior Sector Economist, Transport and Logistics
Rico.Luman@ing.com

Jurjen Witteveen
Sector Economist
jurjen.witteveen@ing.com

Dmitry Dolgin
Chief Economist, CIS
dmitry.dolgin@ing.de

Nicholas Mapa
Senior Economist, Philippines
nicholas.antonio.mapa@asia.ing.com

Egor Fedorov
Senior Credit Analyst
egor.fedorov@ing.com

Sebastian Franke
Consumer Economist
sebastian.franke@ing.de

Gerben Hieminga
Senior Sector Economist, Energy
gerben.hieminga@ing.com

Nadège Tillier
Head of Corporates Sector Strategy
nadege.tillier@ing.com

Charlotte de Montpellier

Senior Economist, France and Switzerland
charlotte.de.montpellier@ing.com

Laura Straeter
Behavioural Scientist
+31(0)611172684
laura.Straeter@ing.com

Valentin Tataru
Chief Economist, Romania
valentin.tataru@ing.com

James Smith
Developed Markets Economist, UK
james.smith@ing.com

Suvi Platerink Kosonen
Senior Sector Strategist, Financials
suvi.platerink-kosonen@ing.com

Thijs Geijer
Senior Sector Economist, Food & Agri
thijs.geijer@ing.com

Maurice van Sante
Senior Economist Construction & Team Lead Sectors
maurice.van.sante@ing.com

Marcel Klok
Senior Economist, Netherlands
marcel.klok@ing.com

Piotr Poplawski
Senior Economist, Poland
piotr.poplawski@ing.pl

Paolo Pizzoli
Senior Economist, Italy, Greece
paolo.pizzoli@ing.com

Marieke Blom
Chief Economist and Global Head of Research
marieke.blom@ing.com

Raoul Leering
Senior Macro Economist
raoul.leering@ing.com

Maarten Leen
Head of Global IFRS9 ME Scenarios
maarten.leen@ing.com

Maureen Schuller
Head of Financials Sector Strategy
Maureen.Schuller@ing.com

Warren Patterson
Head of Commodities Strategy
Warren.Patterson@asia.ing.com

Rafal Benecki
Chief Economist, Poland
rafal.benecki@ing.pl

Philippe Ledent
Senior Economist, Belgium, Luxembourg
philippe.ledent@ing.com

Peter Virovacz
Senior Economist, Hungary
peter.virovacz@ing.com

Inga Fechner
Senior Economist, Germany, Global Trade
inga.fechner@ing.de

Dimitry Fleming
Senior Data Analyst, Netherlands
Dimitry.Fleming@ing.com

Ciprian Dascalu
Chief Economist, Romania
+40 31 406 8990
ciprian.dascalu@ing.com

Muhammet Mercan
Chief Economist, Turkey
muhammet.mercan@ingbank.com.tr

Iris Pang
Chief Economist, Greater China
iris.pang@asia.ing.com

Sophie Freeman
Writer, Group Research
+44 20 7767 6209

Sophie.Freeman@uk.ing.com

Padhraic Garvey, CFA
Regional Head of Research, Americas
padhraic.garvey@ing.com

James Knightley
Chief International Economist, US
james.knightley@ing.com

Tim Condon
Asia Chief Economist
+65 6232-6020

Martin van Vliet
Senior Interest Rate Strategist
+31 20 563 8801
martin.van.vliet@ing.com

Robert Carnell
Regional Head of Research, Asia-Pacific
robert.carnell@asia.ing.com

Karol Pogorzelski
Senior Economist, Poland
Karol.Pogorzelski@ing.pl

Carsten Brzeski
Global Head of Macro
carsten.brzeski@ing.de

Viraj Patel
Foreign Exchange Strategist
+44 20 7767 6405
viraj.patel@ing.com

Owen Thomas
Global Head of Editorial Content
+44 (0) 207 767 5331
owen.thomas@ing.com

Bert Colijn
Chief Economist, Netherlands
bert.colijn@ing.com

Peter Vanden Houte
Chief Economist, Belgium, Luxembourg, Eurozone
peter.vandenhoute@ing.com

Benjamin Schroeder
Senior Rates Strategist
benjamin.schroder@ing.com

Chris Turner
Global Head of Markets and Regional Head of Research for UK & CEE
chris.turner@ing.com

Gustavo Rangel
Chief Economist, LATAM
+1 646 424 6464
gustavo.rangel@ing.com

Carlo Cocuzzo
Economist, Digital Finance
+44 20 7767 5306
carlo.cocuzzo@ing.com