

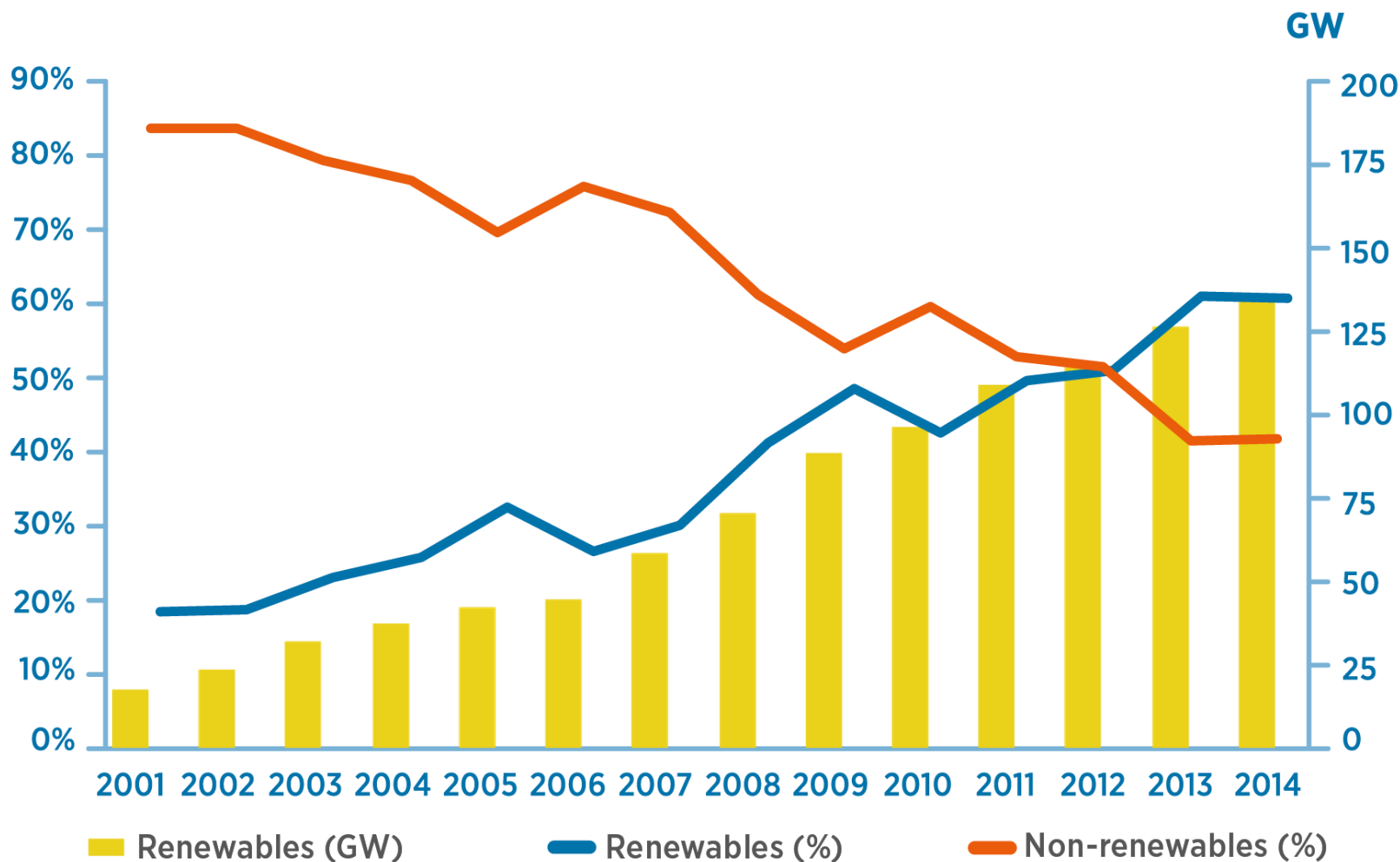
Renewable Energy and Climate Change: Policy Links

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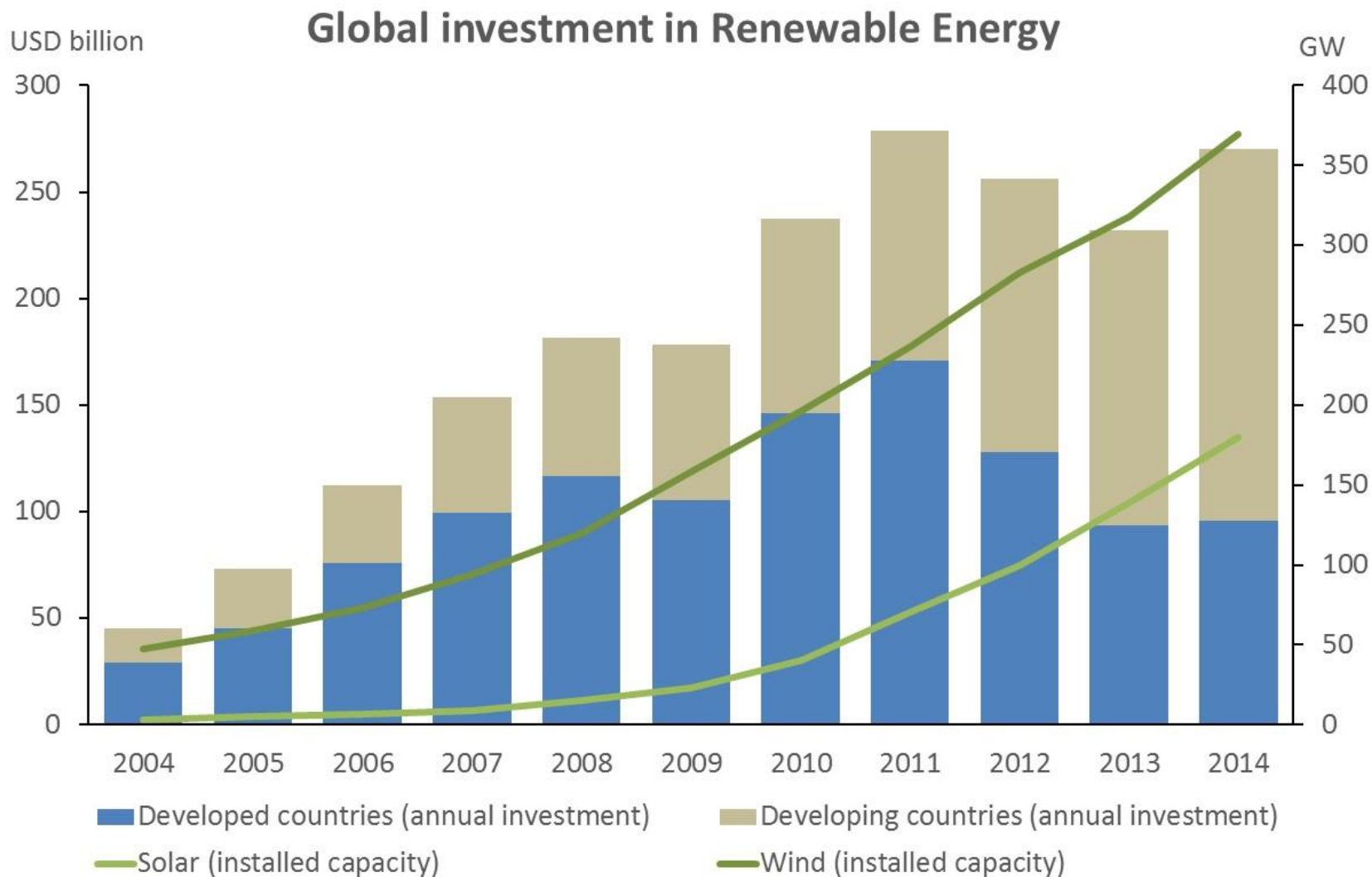


Growth of Renewable Electricity Generating Capacity



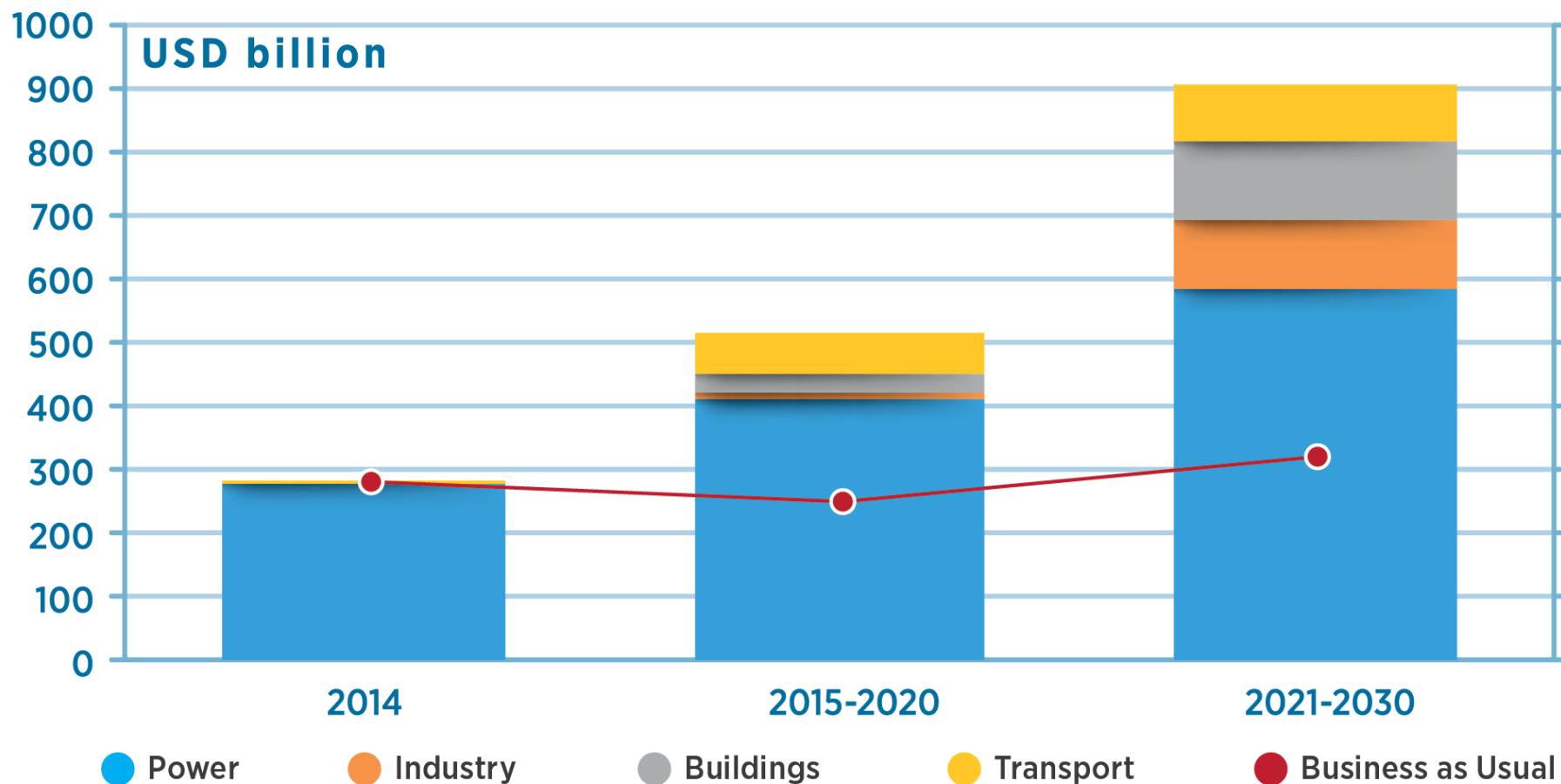


Growth in Investment in Renewables





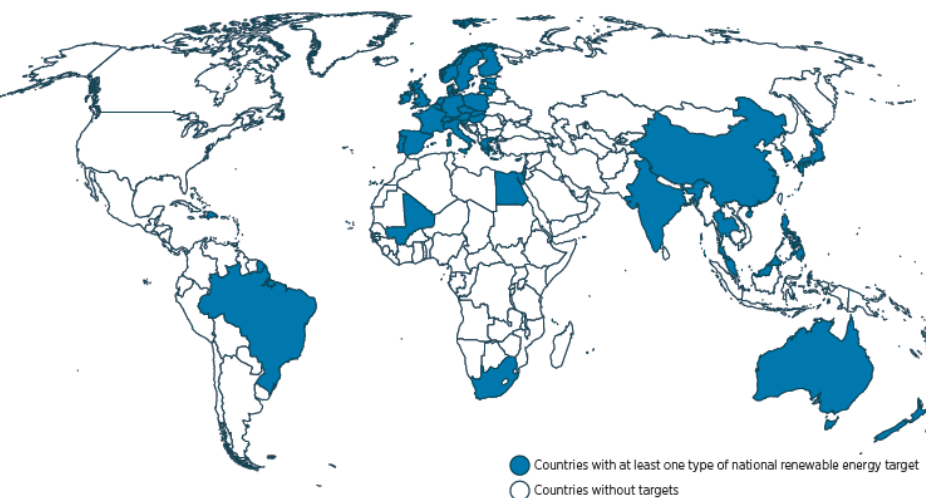
Scaling Up Renewable Energy Investment – what is needed



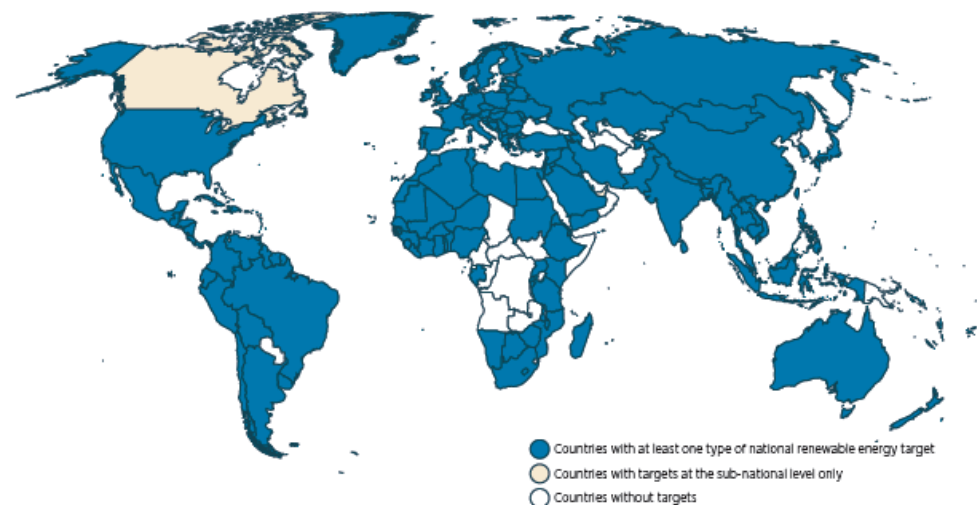


Targets in the renewable energy: 2005-2015

2005



2015



The number of countries that have at least one type of renewable energy target has grown from 43 in 2005 to 164 in 2015 – including 131 emerging and developing countries



INDCs in Africa: some examples from West Africa

- 53 out of 54 African countries have submitted INDCs covering mitigation and adaptation action across all sectors, some with start of implementation in 2016
- Include some action subject to international support/financing
- Examples from West Africa:

Burkina Faso: Add 20 MW of solar PV capacity every 10 years

Cabo Verde: Increase renewables in electricity to 100% by 2025
(30% unconditional)

Chad: Increase renewables in electricity from 0 to 750 GWh/year in 15 years

Gabon: 80% of electricity generation from hydro

Gambia: Install solar PV, wind and hydro power plants

Guinea Bissau: 80% renewable energy in the national energy mix by 2030

Niger: Increase hydro capacity from 4 MW in 2010 to 250 MW in 2030 and install 20 MW capacity in wind



From Targets to Policy

Spectrum of Renewable Energy Targets

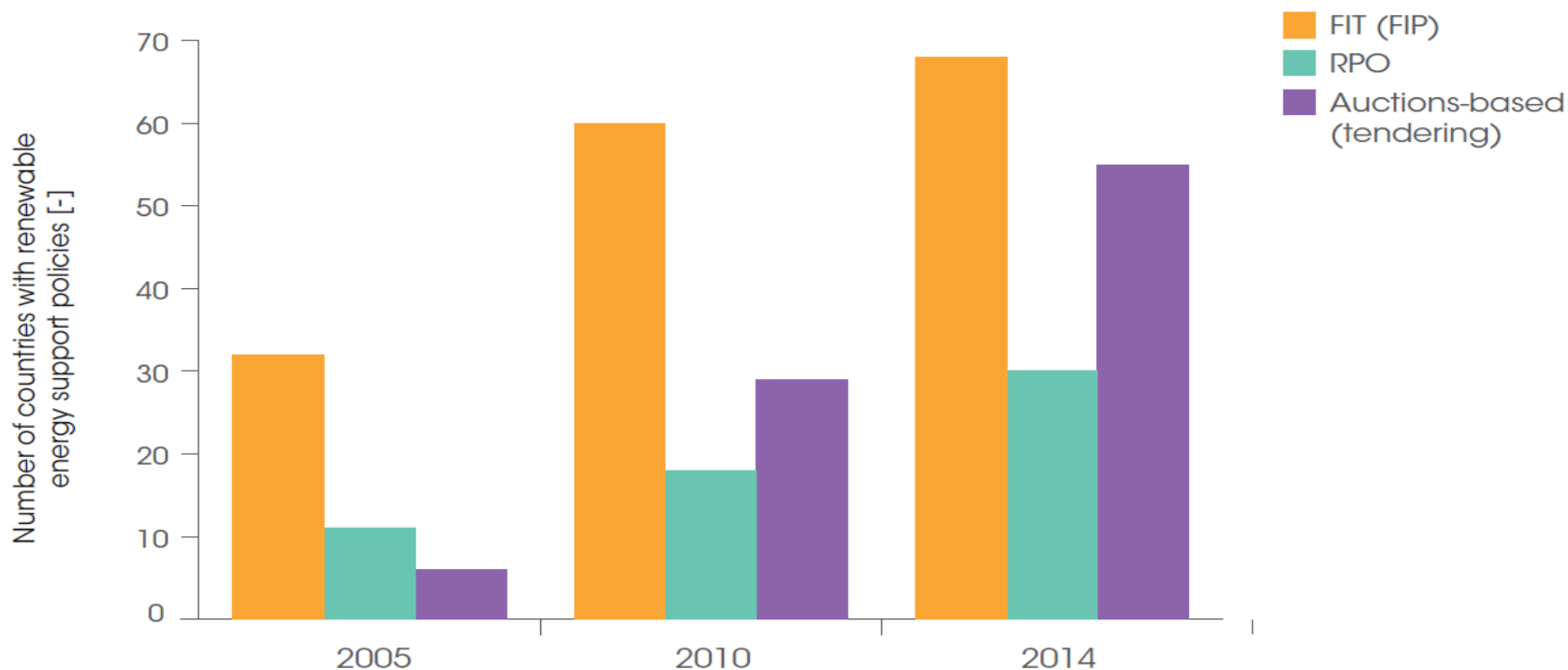


Turn political vision into specific policies to move from goals to actual renewable energy production or consumption.



Renewable Energy Policies

Number of countries with renewable energy policies, by type



More and more countries have adopted renewable energy policies, increasingly shifting to auctions-based deployment schemes



Conclusions

- 1. Paris Agreement has injected strong political momentum to accelerate renewable energy deployment**
- 2. NDCs need to be translated into energy policy and backed up by international support in order to have impact**
- 3. To achieve climate objectives annual renewable energy investment needs to be scaled up to almost double in the period up to 2020 and more than triple in the decade up 2030**
- 4. To attract private investors sound, stable and long-term policy frameworks are needed**
- 5. NDCs are currently not sufficient to reach the below 2 degree target, but they can fuel market dynamics if followed up by strong policies**

RENEWABLE ENERGY AND CLIMATE CHANGE



Further information: irena.org

Thank you