

























































Estimated value of allocation in 2020

| Offsets: ove | erview | |
|--|--|----------------------------|
| EPA in charge decided by "O | e of all offset mechanisms, eligik ffsets Integrity Advisory Board" | ble project types |
| • 50/50 domesti | c/international | |
| Each offset we - starting 2019 | orth 1 allowance…BUT:), you need 5 international offse | ets for 4 allowances |
| Maximum per offsets in each | centage of compliance that can | be covered through |
| 2 billion / (2 bi | llion) + (previous year's cap) | |
| = 30-35% of c | ap in 2012-2030, up to 63% of (| cap by 2050! |
| US Department projects | nt of Agriculture will approve/reg | gister agricultural offset |
| ointCarbon | | |









| Program | | Tradable unit | | |
|---------|--|--------------------|----------------------------------|--|
| ССХ | Chicago Climate Exchange | CFI | Carbon Financial Instrument | |
| CAR | Climate Action Reserve | CRT | Climate Reserve Tonnes | |
| VCS | Voulantary Carbon Standard | VCU | Voluntary Carbon Unit | |
| VER+ | Verified Emission Reduction + | VER+ | Verified Emission Reduction + | |
| GS | Gold Standard | GS CDM / GS VER | | |
| ССВ | Climate Community & Biodiversity Standard | VER | Verified Emission Reduction | |







Kyoto protocol Kyoto protocol - treaty under the UNFCCC of 11 December 1997 came into force on 16 February 2005 184 countries have ratified - Annex I countries (those with binding commitments to reduce GHGs) account for 64% of global emissions: EU plus 37 others Goal: collectively reduce emissions of greenhouse gases at least 5 ٠ percent in 2008-2012 compared to the baseline year 1990 3 flexible mechanisms: • International emissions trading Clean Development Mechanism Joint Implementation PointCarbon Providing critical insights into energy and environmental markets www.pointcarbon.com



| EU-27 (EU "bubble") formerly EU-15 | - 8% |
|------------------------------------|-------|
| USA | - 7% |
| Canada, Japan, Poland, Hungary | - 6% |
| Croatia | - 5% |
| New Zealand, Russia, Ukraine | 0% |
| Norway | + 1% |
| Australia | + 8% |
| Iceland | + 10% |

















| Project data | # projects | volume -2012 (Mt) | | |
|--------------------------|---------------|----------------------|--|---------------------|
| In total | 7 624 | 4 917 | Development B | enefits? |
| PDD level and beyond | 5 566 | 3 543 | Host countries Risk adjusted volume | 100+ 1.3 billion |
| Validation and beyond | 5 227 | 3 177 | from reductions tons (Point Carbon estimate) 2008 – 2012 Leveraged investments (World Bank estimate) | tons |
| Registered and beyond | 1 769 | 1 716 | | 95 bn\$ |
| CER/ERUs issued | 540 | 1 014 | | |
| issued | | | | |













| EU ET over-al | S started with a pi ll located: more allow | ot phase from 20 wances than actua | 05-2007: Il emissions |
|-----------------------|--|---|--|
| Correc ETS no | ted in Phase 2 (20 ow short on allowa | 08-2012): nces overall | |
| Phase | 3 (2013-2020) will | be even stricter | |
| Phase | 3 (2013-2020) will Compliance years | be even stricter Reduction Targets | Average annual cap |
| Phase Phase 1 | 3 (2013-2020) will Compliance years 2005-07 | be even stricter Reduction Targets No effect | Average annual cap |
| Phase Phase 1 Phase 2 | 3 (2013-2020) will Compliance years 2005-07 2008-12 | be even stricter Reduction Targets No effect -6.5% | Average annual cap2.3 bn. tCO22.1 bn. tCO2 |





| | Post 2012 | |
|--|-----------|-------------------------|
| | | |
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| Country | For developed countries 2020 | For developing countries 2020 |
|-----------|---|---|
| EU | Cut emissions 30% below 1990 | Low carbon development strategies; NAMA register. Sectoral crediting and sectoral trading |
| US | Quantitative targets "in conformity with national law" | NAMAs for all; quantified NAMAs and future targets for countries with "greater responsibility and capability". Submit low carbon strategy 2050 |
| China | At least 40% below 1990 | NAMAs as determined by each developing country |
| India | No percentage, but relative to 1990 | Voluntary NAMA register |
| Japan | Not yet set. Multiple baselines (1990, 2000, 2005, 2007) | Intensity targets for advanced developing countries |
| Australia | No percentage or reference year | Sectoral or other types of commitments |







