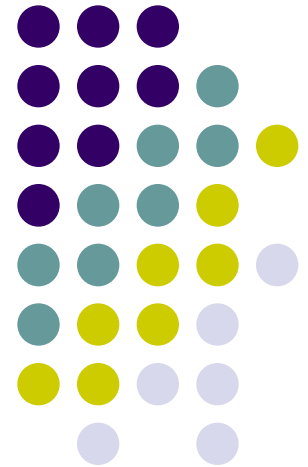
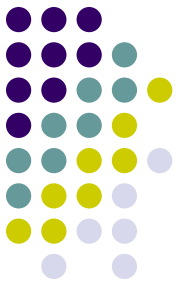


Post-Kyoto Climate Treaty: Copenhagen 2009

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Milestones in international responses to climate change



- Over two decades of concerted efforts
- IPCC (1988)
- UNFCCC (1992): Rio, Earth Summit
- Kyoto (1997): COP 3
- Marrakesh Accords (2001): COP 7

• Convention Timeline

• Protocol Timeline

2005

- **February, entry into force of Kyoto Protocol**
- November and December COP 11 and COP/MOP 1 (Montreal, Canada)

2004

- December COP 10 (Buenos Aires, Argentina)
- Buenos Aires Programme of Work on Adaptation and Response Measures

2002

- October and November COP 8 (New Delhi, India)
Delhi Declaration
- August and September progress since 1992 reviewed at World Summit on Sustainable Development

2001

- October and November COP 7 (Marrakesh, Morocco)
- **Marrakesh Accords**
- April, IPCC Third Assessment Report
- July, COP 6 resumes (Bonn Germany)
- **July, Bonn Agreements**

2000

- November, COP 6 (The Hague, Netherlands)
- **Talks based on the Plan break down**

1998

- November, COP 4 (Buenos Aires, Argentina)
- **Buenos Aires Plan of Action**

1997

- December, COP 3 (Kyoto, Japan)
- **Kyoto Protocol adopted**

1995

- March and April, COP 1 (Berlin, Germany)
- **March and April, Berlin Mandate**

1994

- March, Convention enters into force

1992

- May, INC adopts UNFCCC text
- June, Convention opened for signature at Earth Summit

1991

- First meeting of the INC

1990

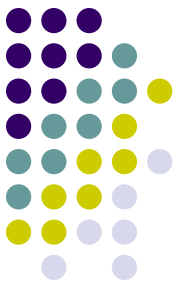
- IPCC and second WCC call for global treaty on climate change
- September, United Nations General Assembly negotiations on a framework convention

1988

- **IPCC established**

1979

- First World Climate Conference (WCC)



Post-Kyoto negotiations

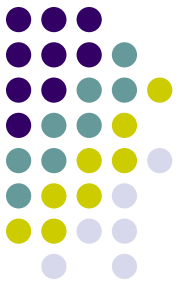
- COP 10 (2004, Buenos Aires): post Kyoto negotiation blocked by US
- COP 13 (2007, Bali): formally started 2 year negotiations towards post-Kyoto treaty. US agreed.
- COP 14 (2008, Poznan):
 - Starts full negotiations in 2009
 - 3, 4, 6/09: UN negotiations in Bonn, Germany
- COP 15 (Dec. 2009, Copenhagen):
 - Expects: a full mandatory treaty to replace Kyoto after 2012
 - Moderate goal: have an “architecture” of the new treaty

Expected ingredients in the new treaty

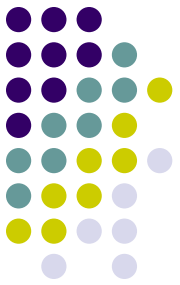


- Developed nations:
 - Tighter mandatory emission ceilings
 - EU proposal: 30% below 1990 by 2020
 - US: face mandatory targets
- Major developing nations
 - Verifiable action to *slow the growth* of GHG emissions
 - Eventually might have to reduce emissions
- Major implementation mechanisms of Kyoto will stay, although possibly reformed
 - Emissions trading
 - Clean Development Mechanism and Joint Implementation
- Reducing deforestation (LULUCF)
- Adaptation assistance to developing nations

“Hot” issues

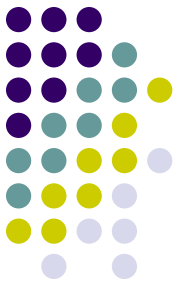


- Role of developing nations
 - Prevention of leakage
 - What kind of commitment?
 - Developing nations (esp. China) are much more open now
 - Possibility of slowed growth of emissions
 - Absolute targets vs intensity targets
 - Risk aversion (prefers absolute targets: counter-cyclical)
 - vs expected growth rate (prefers intensity targets: less limit on growth)
 - Assistance in technology, capacity, and adaptation
 - Adaptation fund:
 - who controls it (Adaptation Board?)
 - Funding: levy on CDM transactions? Or extend to other trades?
- CDM
 - Revamp or reform?
 - Procedural reform: Executive Board’s *transparency, efficiency*
 - Additionality: excluding “win-win” projects
 - Sector based vs. project based: a matter of **scale**
 - Sector: large number of small parties (e.g., transport)
 - What kind of commitment?
 - Emission-oriented commitment? Emission targets for sectors. E.g., for forestry
 - Cause-oriented commitment? Policy targets for sectors. But, enforcement? Offset policies?



“Hot” issues (cont’d)

- Linkage with trade
 - Prevent leakage
 - Help participation and enforcement
 - Unlikely to have formal linkage at Copenhagen
- Forms of linkage
 - Border tax adjustment
 - Hard to calculate and subject to dispute
 - different forms of regulations
 - Surrender of carbon permits
 - Example: India exports steel to EU
 - Need to purchase carbon permits to export



Role of US

- Much excitement about the Obama administration
- Domestic carbon policy before Dec 2009?
 - Much cautious now than in Liberman-Warner: realistic prospect of passing!