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PROPOSED CHAPTER OUTLINES OF THE WORKING GROUP III CONTRIBUTION TO THE IPCC FIFTH ASSESSMENT REPORT (AR5)

(Submitted by the Co-Chairs of Working Group III)

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Working Group III

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- Consumption patterns across countries

[1] Assessment under this chapter refers to all countries and regions including as appropriate developed countries, developing countries and economies in transition

- Human settlements and infrastructure
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- Trends in technologies
- Carbon and radiation management and other geoengineering options
- The system perspective: linking sectors, technologies and consumptions patterns

7. Energy Systems

[Note: All sections should consider regional specificities including as appropriate to developed and developing countries and economies in transition.]

- Energy production, conversion, transmission and distribution
- New developments in emission trends and drivers
- Resources and resource depletion
- Mitigation technologies and practices
- Infrastructure and systemic perspectives
- Climate change feedback and interaction with adaptation
- Technological, environmental and other risks and uncertainties, and social acceptability

- Co-benefits, co-costs, spillover effects
- Barriers and opportunities (technological, financial, institutional, cultural, legal, etc)
- Sustainable development aspects
- Costs and potentials
- Gaps in knowledge

8. Transport

[Note: All sections should consider regional specificities including as appropriate to developed and developing countries and economies in transition.]

- Freight and passenger transport (land, air, sea)
- New developments in emission trends and drivers
- Mitigation technologies and practices
- Infrastructure and systemic perspectives
- Climate change feedback and interaction with adaptation
- Technological, environmental and other risks and uncertainties, social acceptability
- Co-benefits, co-costs, spillover effects
- Barriers and opportunities (technological, financial, institutional, cultural, legal, etc)
- Sustainable development aspects
- Costs and potentials
- Gaps in knowledge

9. Buildings

[Note: All sections should consider regional specificities including as appropriate to developed and developing countries and economies in transition.]

- Commercial, residential and public buildings
- New developments in emission trends and drivers
- Mitigation technologies and practices
- Infrastructure and systemic perspectives
- Climate change feedback and interaction with adaptation
- Technological, environmental and other risks and uncertainties, social acceptability
- Co-benefits, co-costs, spillover effects
- Barriers and opportunities (technological, financial, institutional, cultural, legal, etc)
- Sustainable development aspects
- Costs and potentials
- Gaps in knowledge

10. Industry

[Note: All sections should consider regional specificities including as appropriate to developed and developing countries and economies in transition.]

- New developments in emission trends and drivers
- Material Reuse and Waste
- Mitigation technologies and practices (including efficiency improvements, household and industry waste)
- Infrastructure and systemic perspectives
- Climate change feedback and interaction with adaptation
- Technological, environmental and other risks and uncertainties, social acceptability
- Co-benefits, co-costs, spillover effects
- Barriers and opportunities (technological, financial, institutional, cultural, legal, etc)
- Sustainable development aspects
- Costs and potentials
- Gaps in knowledge

11. Agriculture, Forestry and Other Land Use (AFOLU)

[Note: All sections should consider regional specificities including as appropriate to developed and developing countries and economies in transition.]

- Challenge: need for an integrated view of land-use sector mitigation
- Emission trends and drivers, agricultural productivity patterns
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- Competition of energy, food, livelihood, infrastructure, other land-uses
- Synergies / tradeoffs / interactions with adaptation and other mitigation options
- Climate change feedback and natural disturbance
- Environmental and other risks and uncertainties, social acceptability (including impacts on biodiversity).
- Co-benefits, co-costs, spillover effects
- Barriers and opportunities (technological, financial, institutional, cultural, legal, etc)
- Sustainable development aspects
- Costs and potentials
- Gaps in knowledge

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