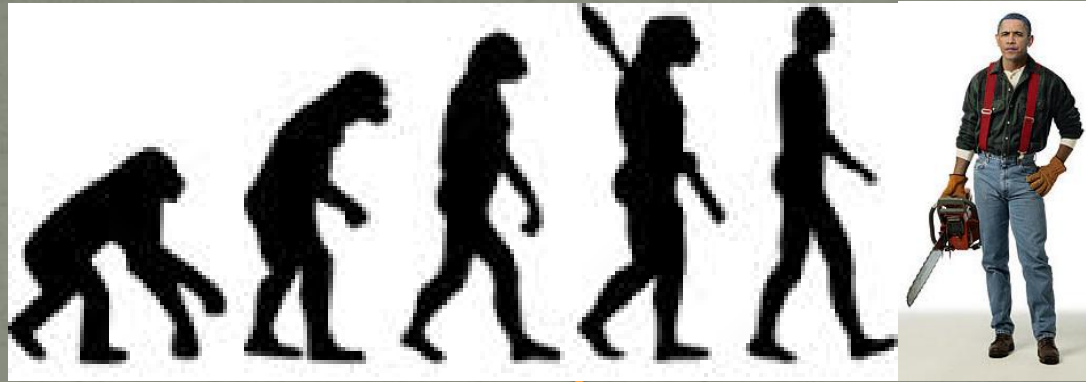


The Evolution of Development



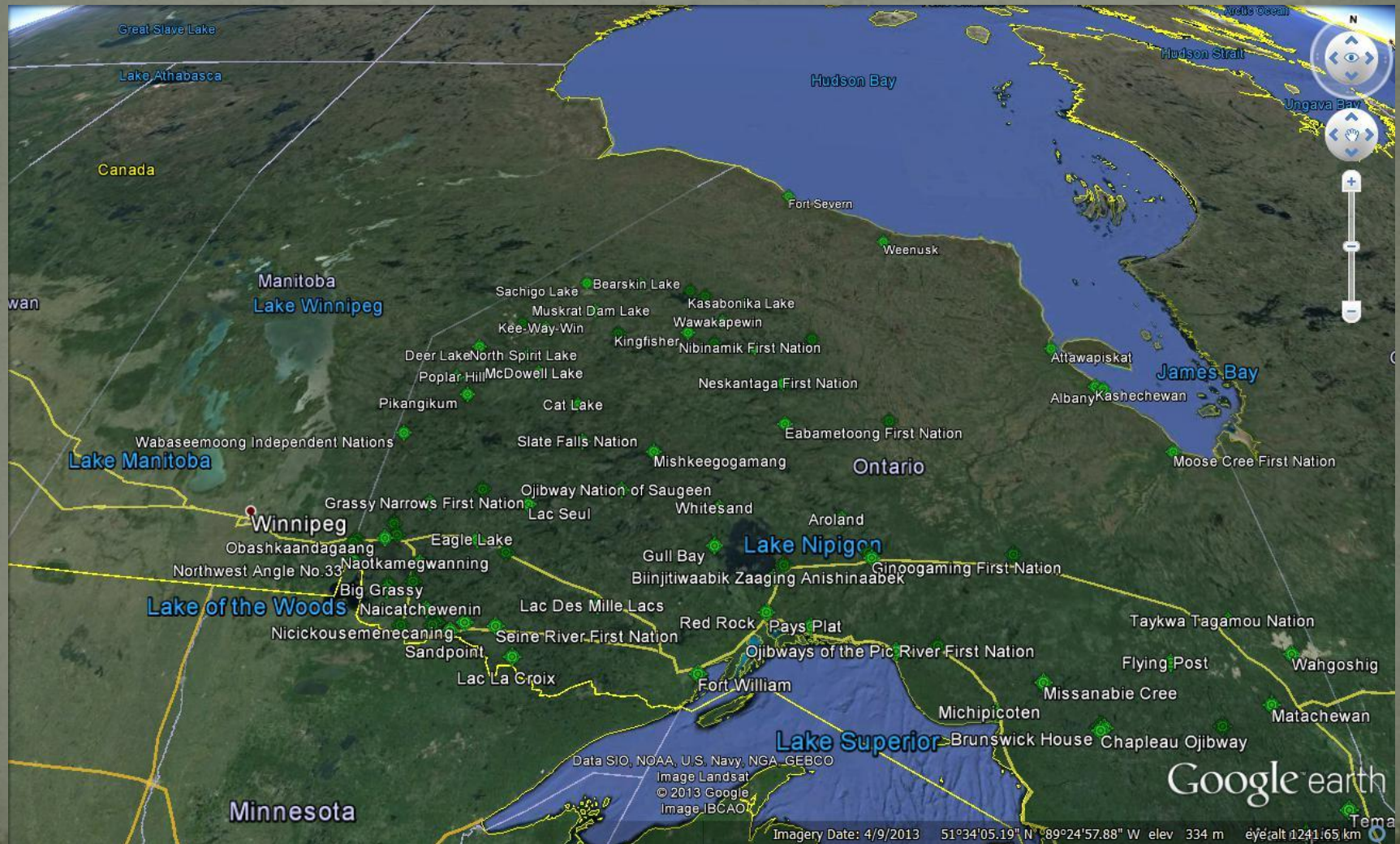
Dan Duckert
PhD Student

Faculty of Natural Resources Management
Lakehead University

February 27th, 2014

Development

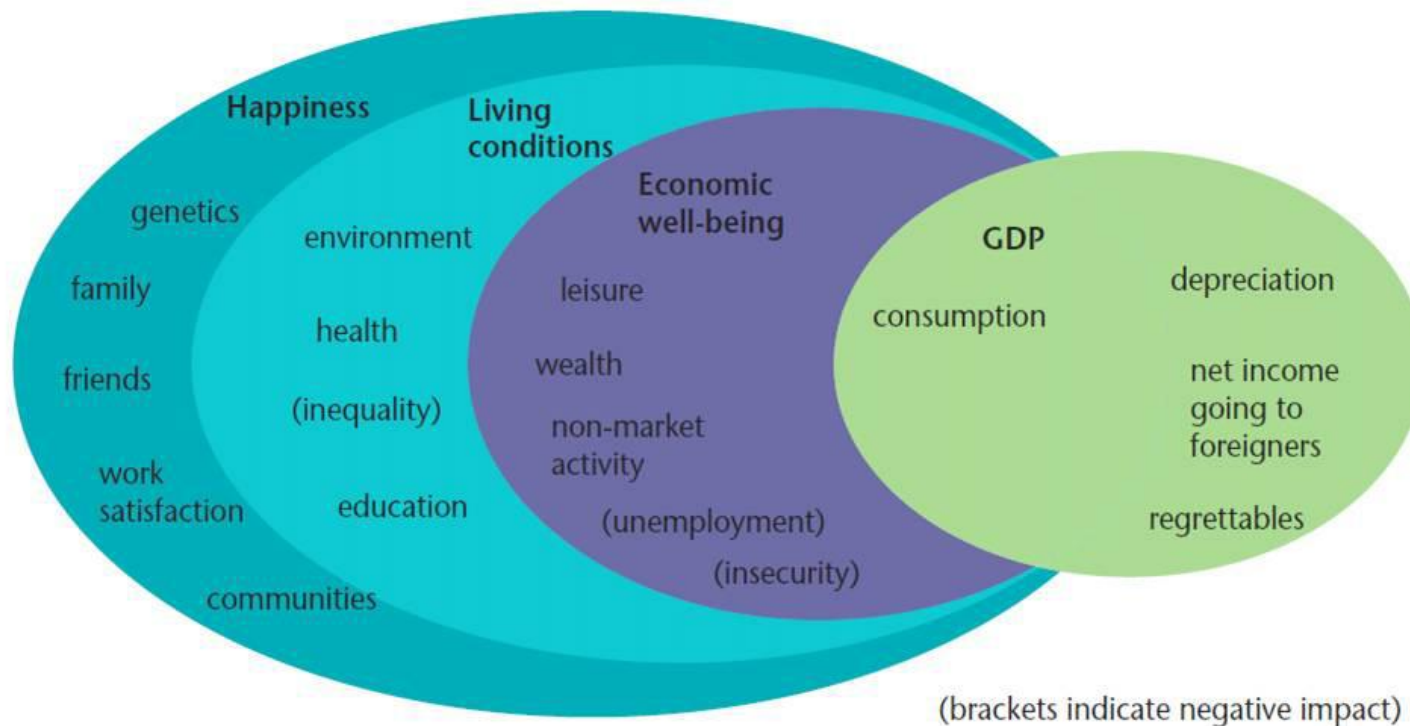
- How do we do Development?



Development

- Why do we Develop?

GDP Does Not Measure Well-Being



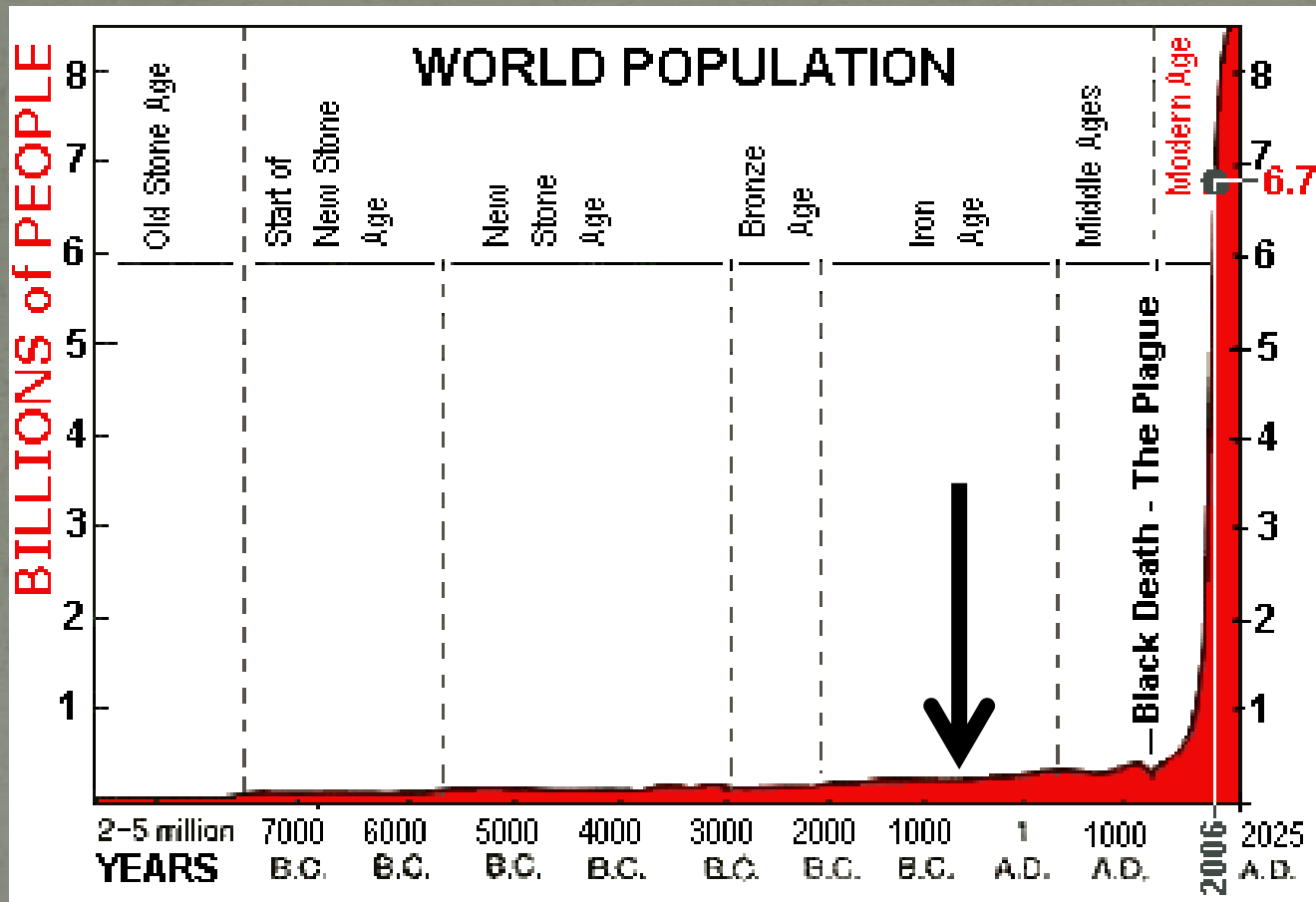
Math and Science Makes Good Workers

▶ HISTORY MAKES GOOD CITIZENS

Noise in the Background: 1st Frequency COMPLEXITY

- Complexity:
 - Diverse entities interacting
 - The entities are interdependent
 - The entities adapt
 - Phenomenon emerges in a bottom-up way
 - Emergent properties are often unpredictable
 - Complex systems can withstand great trauma
- Complexity made simple:
 - Think of a primordial soup – but give the components choice!

Noise in the Background: 2nd Frequency



<http://one-simple-idea.com/WorldPopulationGrowth2025.jpg>

CONTEXT

- Western European Concepts of Development
- Keep in mind there are other philosophies of development:
 - Indigenous
 - Oriental
 - India
 - Arabic
- Development is complex and the scale of effects continually grow.
- Globalization seems to be forcing these philosophies together
- Human Development vs. Resource Development



A Timeline of Development

	premodern		modern			postmodern
storylines	Heroic	Religious	Scientific	C.I.A.M.	Economic	Sustainable
ideals	excellence	goodness	truth	functionalism	growth (quantitative)	development (qualitative)
behaviors	competition	obedience	experimentation	design	maximize	optimize
actors	heroes	saints and prophets	scientists and philosophers	architects and planners	consumers and business	citizens
modes of communication	legends	scripture and prayer	logic	drawings, models and manifestoes	images and numbers	feedback loops
attitude toward time	immortality	eternity	timelessness	<i>zeitgeist</i>	now	perpetual renewal

“Models, Lists, and the Evolution of Sustainable Architecture,” in
The Green Braid. 2008

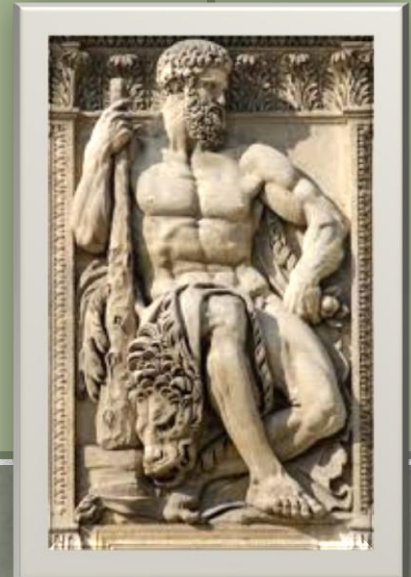
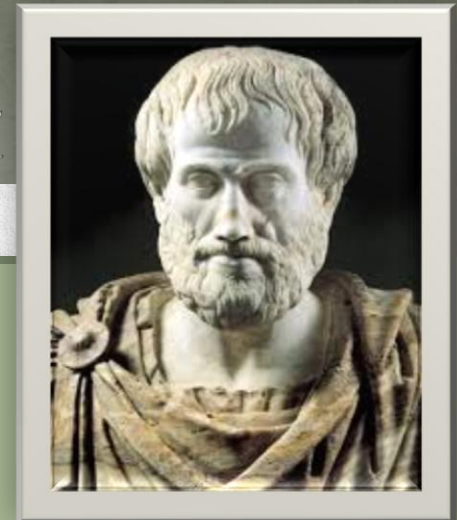
Rafael Longoria and Kim Tanzer, eds.
(London and New York: Routledge,).

Steven A. Moore

http://soa.utexas.edu/faculty/moore/selectpub/bookchapter_models.pdf

A Timeline of Development

	premodern	modern
storylines	Heroic	
ideals	excellence	
behaviors	competition	
actors	heroes	
modes of communication	legends	
attitude toward time	immortality	



A Timeline of Development

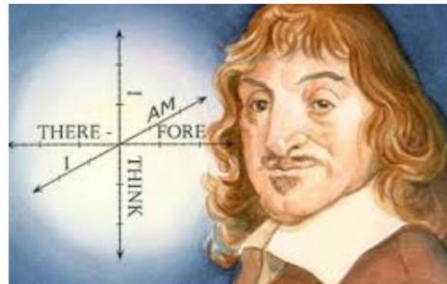


	premodern		modern	
storylines	Heroic	Religious		
ideals	excellence	goodness		
behaviors	competition	obedience		
actors	heroes	saints and prophets		
modes of communication	legends	scripture and prayer		
attitude toward time	immortality	eternity		



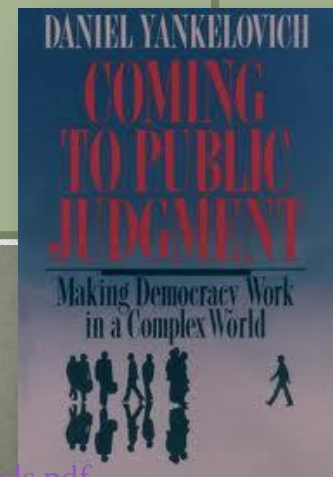
A Timeline of Development

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ideals	excellence	goodness	truth	
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modes of communication	legends	scripture and prayer	logic	
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A Timeline of Development

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ideals	excellence	goodness	truth	functionalism	
behaviors	competition	obedience	experimentation	design	
actors	heroes	saints and prophets	scientists and philosophers	architects and planners	
modes of communication	legends	scripture and prayer	logic	drawings, models and manifestoes	
attitude toward time	immortality	eternity	timelessness	<i>zeitgeist</i>	



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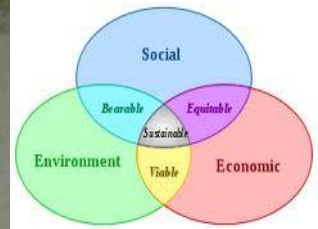
http://soa.utexas.edu/faculty/moore/selectpub/bookchapter_models.pdf

C.I.A.M. Congres Internationaux d'Architecture Moderne 1928-1956

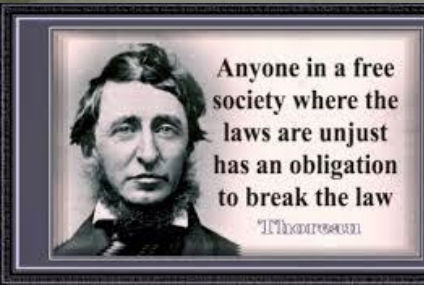
A Timeline of Development

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ideals	excellence	goodness	truth	functionalism	growth (quantitative)	
behaviors	competition	obedience	experimentation	design	maximize	
actors	heroes	saints and prophets	scientists and philosophers	architects and planners	consumers and business	
modes of communication	legends	scripture and prayer	logic	drawings, models and manifestoes	images and numbers	
attitude toward time	immortality	eternity	timelessness	<i>zeitgeist</i>	now	

A Timeline of Development

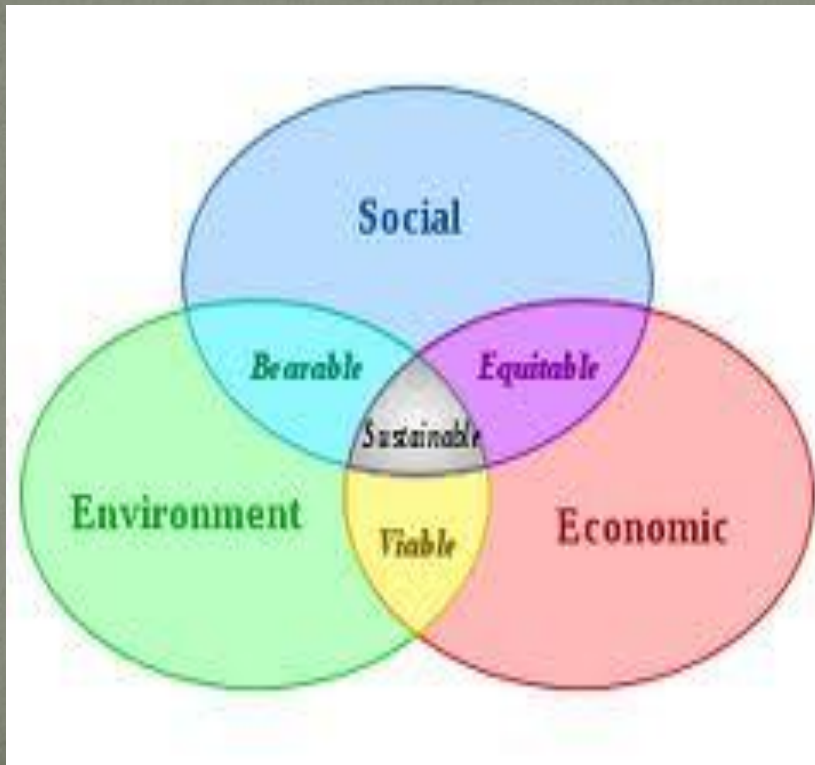


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What is Happening Today - UN

- Sustainable development
 - Goals, Targets and Indicators
 - Efficient, Effective and Equitable



UN Commission on Sustainable Development (CSD) 1992-2012

CSD indicator themes

1. *Poverty*
2. *Governance*
3. *Health*
4. *Education*
5. *Demographics*
6. *Natural hazards*
7. *Atmosphere*
8. *Land*
9. *Oceans, seas and coasts*
10. *Freshwater*
11. *Biodiversity*
12. *Economic development*
13. *Global economic partnership*
14. *Consumption and production patterns*

Human Development

Measuring Success 2000-2015

- *Millennium Development Goals to be met by 2015*
MDG

1. Eradicate extreme poverty
2. Achieve universal primary education
3. Promote gender equality and empower women
4. Reduce child mortality
5. Improve maternal health
6. Combat HIV/AIDS, malaria and other diseases
7. Ensure environmental sustainability
8. Develop a global partnership



Post-Millennium Development Goals

UN consultations and work streams gather inputs and provide recommendations for post-2015 global goals
(Late 2011 – August 2013)

Sustainable Development Goals

Rio+20 decides to establish a process on SDGs
(June 2012)

Open Working Group on SDGs is Established
(January 2013)

OWG report to be submitted to the 68 UNGA
(August 2014)

UN Secretary General's synthesis report
(Sept 2014)

Process to agree coherent set of post-2015 global goals

Intergovernmental negotiations leading to the adoption of one set of post-2015 global goals at a high level summit in September 2015.
(Sept 2014-Sept 2015)



Post-Sustainable Development Agenda Beyond 2015 Integrating Human and Sustainable development

1. End Extreme Poverty including Hunger
2. Achieve Development within Planetary Boundaries
3. Ensure Effective Learning for All Children and Youth for Life and Livelihood
4. Achieve Gender Equality, Social Inclusion, and Human Rights
5. Achieve Health and Wellbeing at all Ages

Sustainable Development Post-Sustainable Development Goal Agenda Beyond 2015

6. Improve Agriculture Systems and Raise Rural Prosperity
7. Empower Inclusive, Productive and Resilient Cities
8. Curb human induced climate change and ensure sustainable energy
9. Secure Ecosystem Services and Biodiversity, and Ensure Good Management of Water, Oceans, Forests and Natural Resources
10. Transform Governance and Technologies for Sustainable Development

