

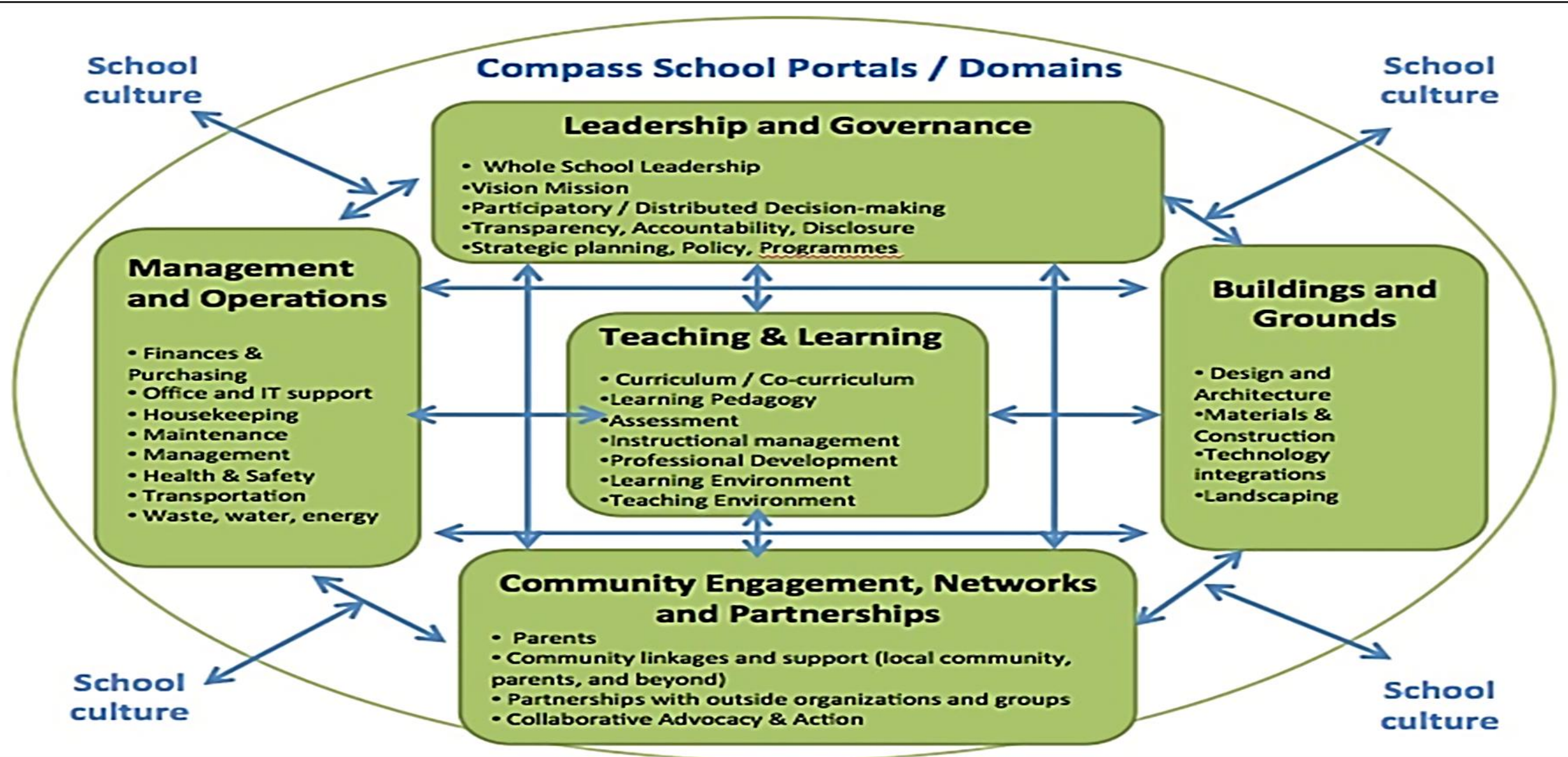
# How to Integrate Sustainability into General Education

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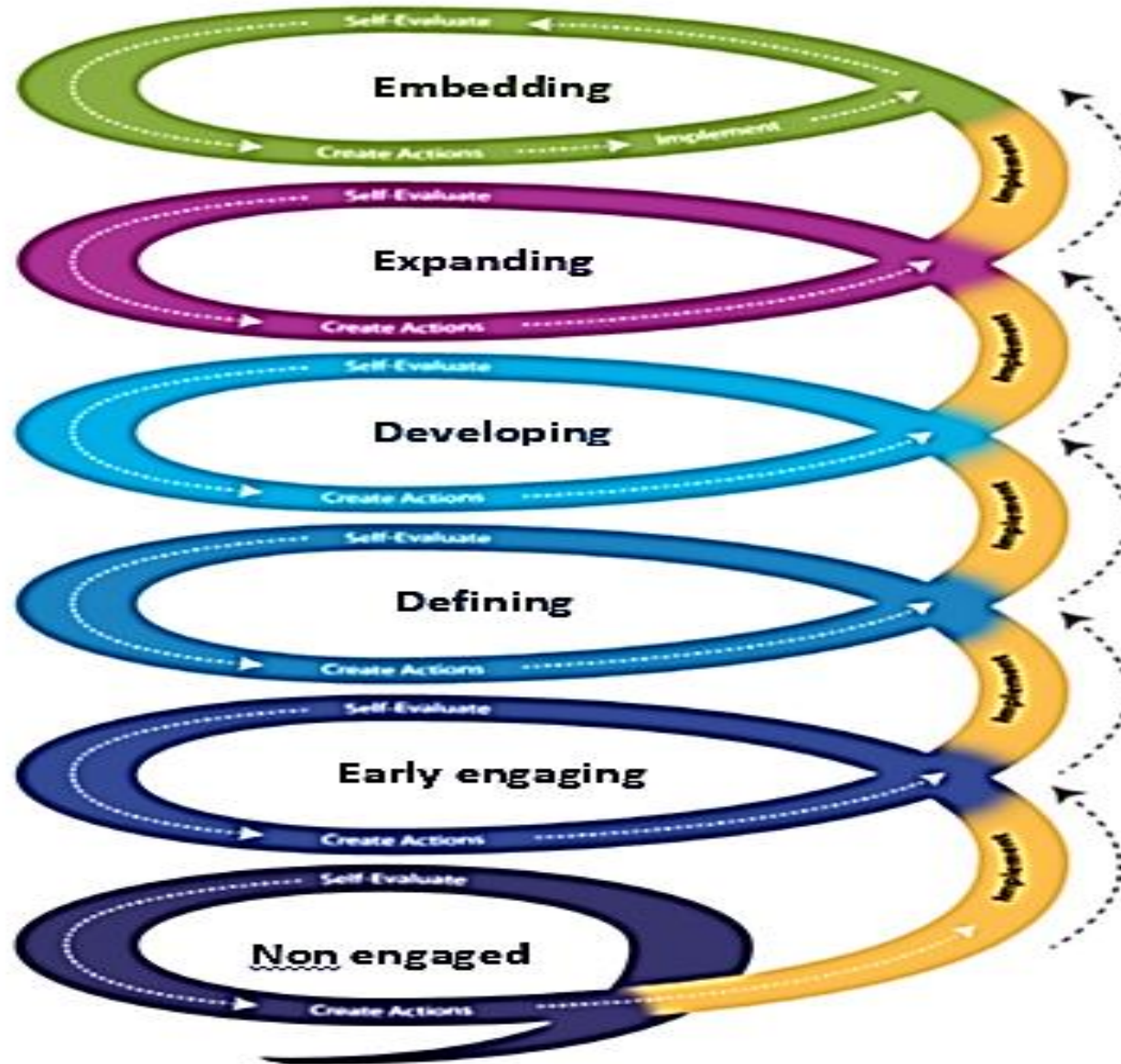
# **How to Integrate Sustainability into General Education**

- **Key Point 1: Whole Institutional Approach vs Stand-alone Projects on Sustainability**
- **Key Point 2: Concept of Whole Institutional Approach**
- **Key Point 3: Case Study – Integrating Sustainability Calendar in School Curriculum**

# 5 main pillars of whole-institutional approach



# A whole-school approach



Institutions often begin with one sustainability activity, which then leads to others. step by step the SD principles are embedded in all activity areas.



# National Teacher Prize Top 10 Finalists, 2018



თეგუნი



ელისო



ნინო



ჭაბუ



ღერე



განათლების  
მინისტრის  
არსებითი  
წილი  
მომზადებულია განათლების



ნარი



ნინო



ღერი




















ნინი



მანანა



საუკეთესო ათეუნი

	Sustainable Development Goals	International Days	Date
	End poverty in all its forms everywhere	International Day of Poverty Eradication	October 17
	End hunger, achieve food security and improved nutrition and promote sustainable agriculture	World Food Day	October 16
	Ensure healthy lives and promote well-being for all at all ages	World Health Day	October 7
	Ensure inclusive and quality education for all and promote lifelong learning	World Teachers’ Day	October 5
	Achieve gender equality and empower all women and girls	International Day for the Elimination of Violence against Women	November 25
	Ensure access to water and sanitation for all	World Water Day	March 22
	Ensure access to affordable, reliable, sustainable and modern energy for all	International Day of Energy Saving	November 11
	Promote inclusive and sustainable economic growth, employment and decent work for all	World Day of Safety and Health at Work	April 28
	Build resilient infrastructure, promote sustainable industrialization and foster innovation	World Creativity and Innovation Day	April 21
	Reduce inequality within and among countries	Zero Discrimination Day	March 1
	Make cities inclusive, safe, resilient and sustainable	International Women's Day	March 8
	Ensure sustainable consumption and production patterns	Green Consumer Day	September 28
	Take urgent action to combat climate change and its impacts	World Climate Change Day	May 15
	Conserve and sustainably use the oceans, seas and marine resources	World Oceans Day	June 8
	Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss	International Day of Biological Diversity	May 22
	Promote just, peaceful and inclusive societies	International Day of Peace	September 21
	Revitalize the global partnership for sustainable development	International Human Solidarity Day	December 20

# How to Integrate Sustainability into General Education

- **Key Point 1: Teacher's roles in Promoting Sustainability through Education**
- **Key Point 2: How to integrate topics via sustainability compass?**

# **Teacher's roles in Promoting Sustainability through Education**

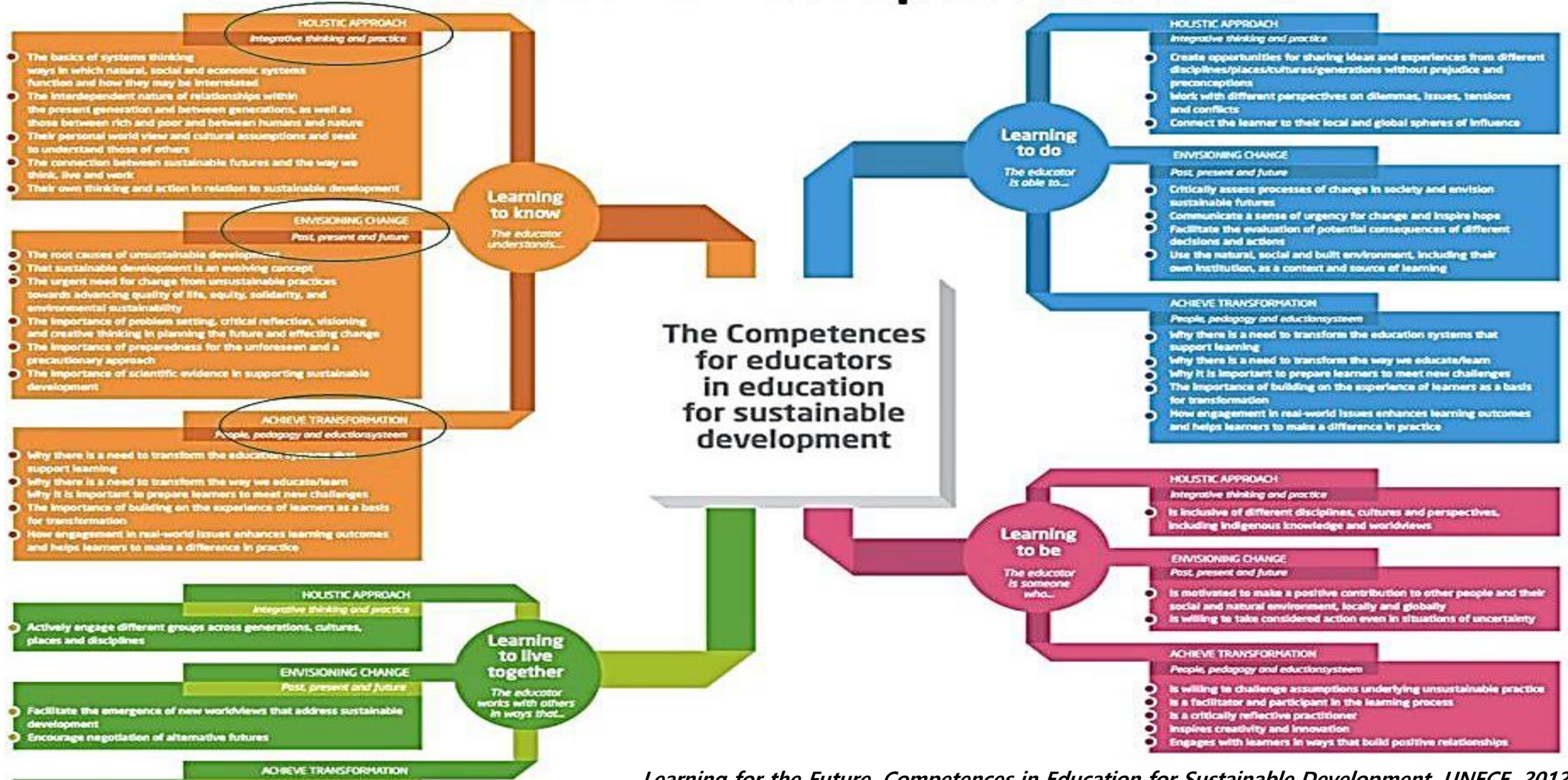
**“Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs” - Brundtland report**

**To create an environmentally robust, socially equitable and economically fair world we have to have:**

- A good legislation**
- A good governance, and overcome corruption**
- Our economic incentives and educational system should lead to promote environmentally and socially responsible business**
- Environmental protection that is not only a responsibility of environmentalists, but of policy makers and citizens, who should participate in advocacy and protection**
- Human rights should be secured**
- Infrastructure and technologies should be innovative and preserve more resources**
- And transformation in education**



# Integrative, critical envisioning and transformative Dimensions in ESD competences (UNECE, 2011)



# Competences for ESD

**The holistic approach includes three interrelated components:**

- a. Integrative thinking;
- b. Inclusivity;
- c. Dealing with complexities.

**Envisioning change covers competences relating to three dimensions:**

- a. Learning from the past;
- b. Inspiring engagement in the present;
- c. Exploring alternative futures.

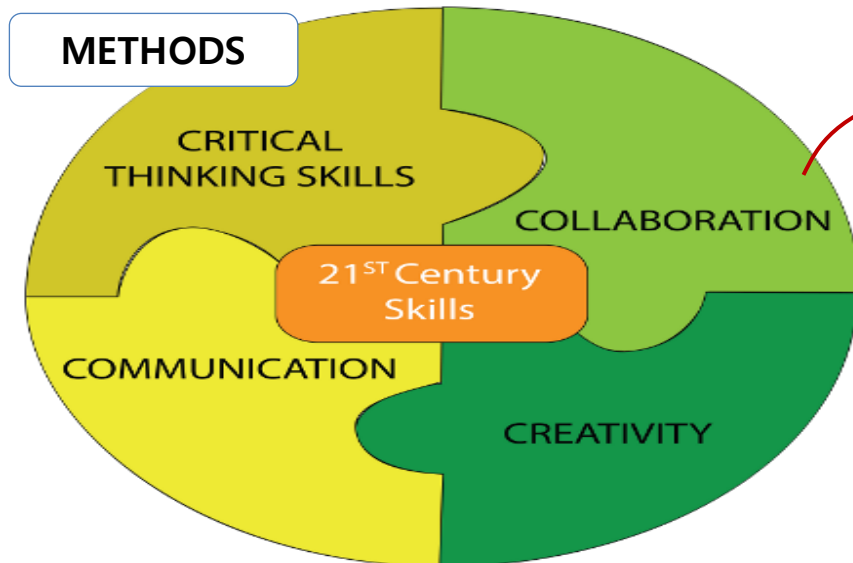
**Achieving transformation covers competences that operate at three levels:**

- a. Transformation of what it means to be an educator;
- b. Transformation of pedagogy, i.e., transformative approaches to teaching and learning;
- c. Transformation of the education system as a whole.

# Competences for Sustainability



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For queries on usage, contact: cdpicampaign@un.org



*Systems thinking*

*Futures thinking*

*Values thinking*

*Strategic thinking*

*Collaboration competence*

*Critical thinking*

*Personal competence*

*Creative thinking*

*Integrated problem-solving*

*competence*



# The Sustainability Compass

The Compass is an easy to understand tool for orienting people to sustainability.

The Compass was created by AtKisson group “to better translate other sustainability frameworks into something more in line with the systemic, multi-perspective, and non-linear”.

All four dimensions of the Sustainability Compass are interconnected in a web of cause-and-effect relationships.

➤ **N = Nature =**

Environmental impact, resource use, waste, ecosystems and habitat, water, energy, climate change

➤ **E = Economy =**

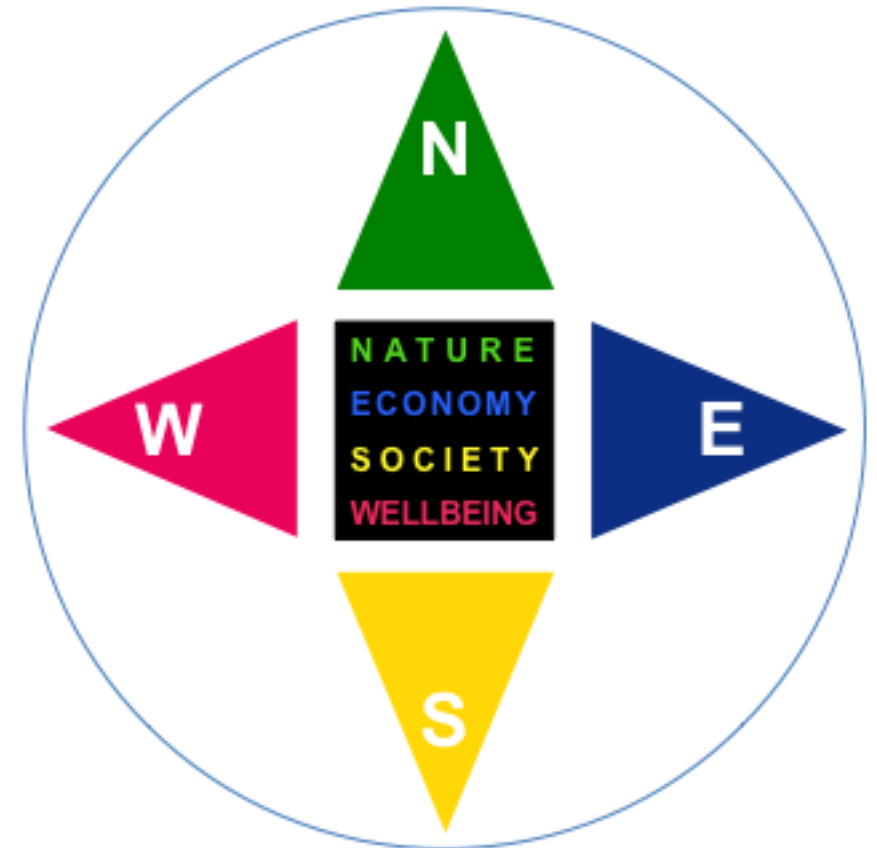
Production, consumption, employment and work, money, investment, debt, business, innovation

➤ **S = Society =**

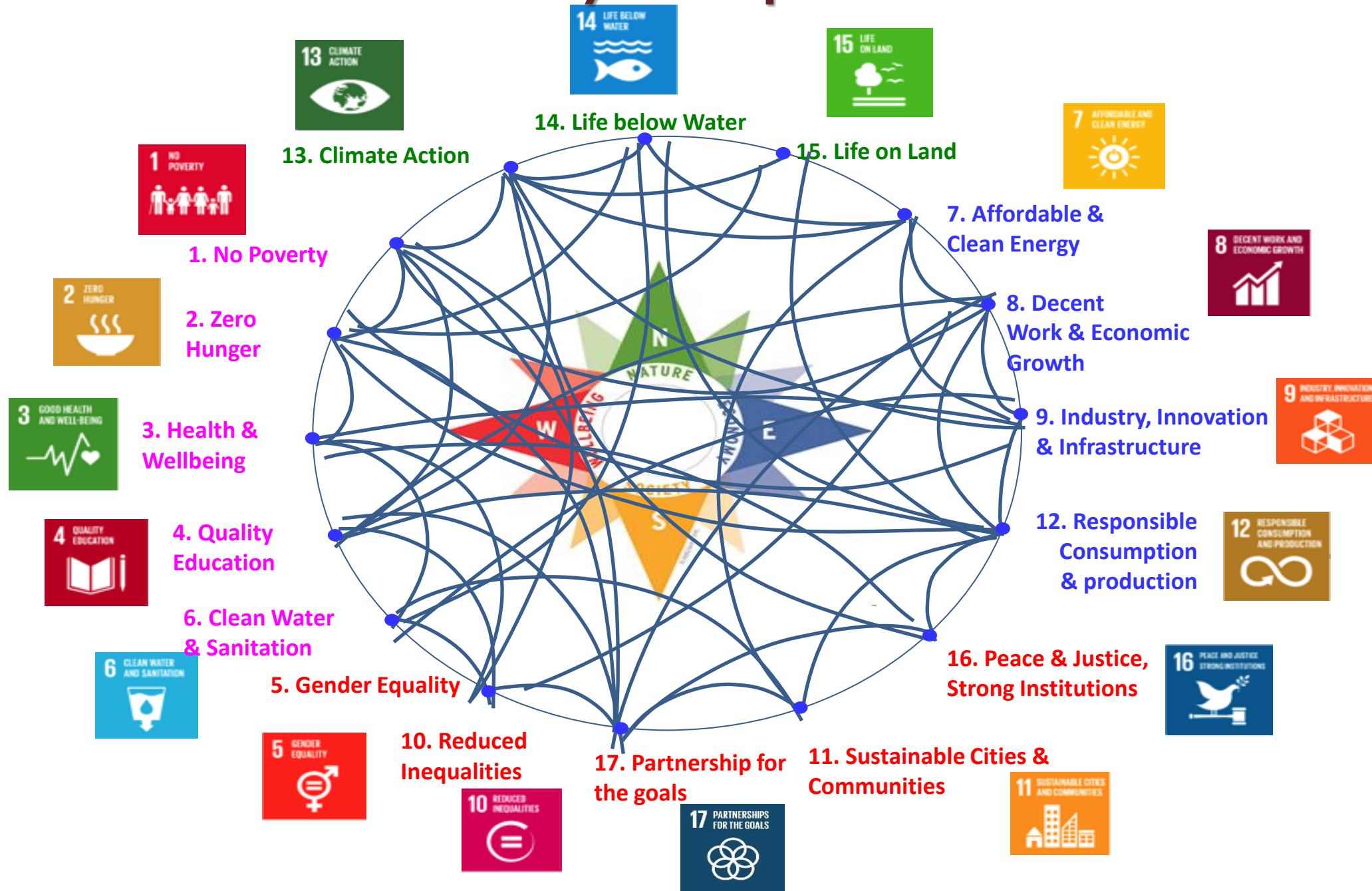
Governance, equity, transparency, security, culture, institutional management, levels of trust

➤ **W = Wellbeing =**

Health, education, self-expression, happiness, relationships, family, creativity, quality of life



# The Sustainability Compass and SDGs





**Causes:**

How the nature degradation could become a driver for migration  
Natural Disaster that is push factor for ecological migration  
Scarcity of the resources

**Consequences:**

Extra pressure on nature  
Over-exploitation of natural resources  
Resource scarcity

**Causes:**

Low level of education  
Low level of health care  
Lack of democracy  
Poverty

**Consequences:**

Demand on education  
Demand on health care  
Poverty eradication

**Causes:**

Economical crises  
Unemployment  
Lack of employment safety  
Low GDP and underemployment

**Consequences:**

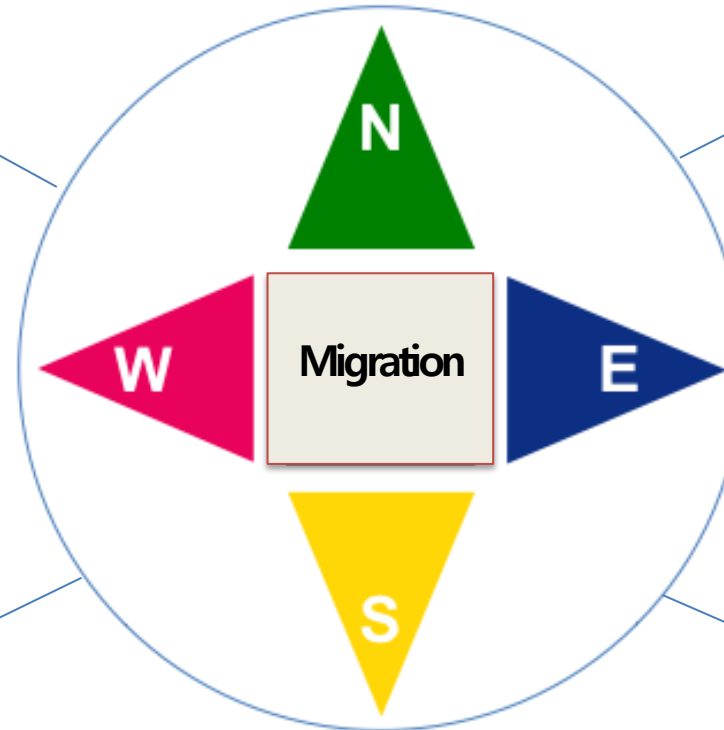
High supply of work force, High competition,  
Criminal rate growth due to unemployment  
Increase number of taxpayers

**Causes:**

Gender inequality  
Corruptive governance  
Dictatorship  
Rural/urban gaps

**Consequences:**

Changes in age-sex structure  
Cultural diversity/crises  
Coordination and cooperation



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