

Discussion paper and set of infographics on the links between green transition policy interventions, environmental sustainability and social wellbeing



**GreenPaths:**

**European Knowledge Hub on Just Transition Pathways**

<https://www.greenpaths.info/>

**Title:**

Discussion paper and set of infographics on the links between green transition policy interventions, environmental sustainability and social wellbeing

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# FINANCE

## INSTITUTIONAL FRAMEWORK

### Standards

- Definition of clear green finance criteria
- Measurement

### Funding

- Climate friendly investments
- Climate-smart urban infrastructure

### Policies

- Green industrial policy objectives
- Green missions
- Risk pooling
- International cooperation
- Long-termism

### Challenges

- Climate justice
- Distribution, scale and pace
- Firms' investment
- Legal dimension
- Project matching
- Ensure policy coherence
- Systemic risks
- Externalities

EU Funds

Private finance

### Instruments

- Green bonds)
- Carbon pricing
- Greening central bank policy

## IMPACTS ON

European System of Central Banks

Banking sector

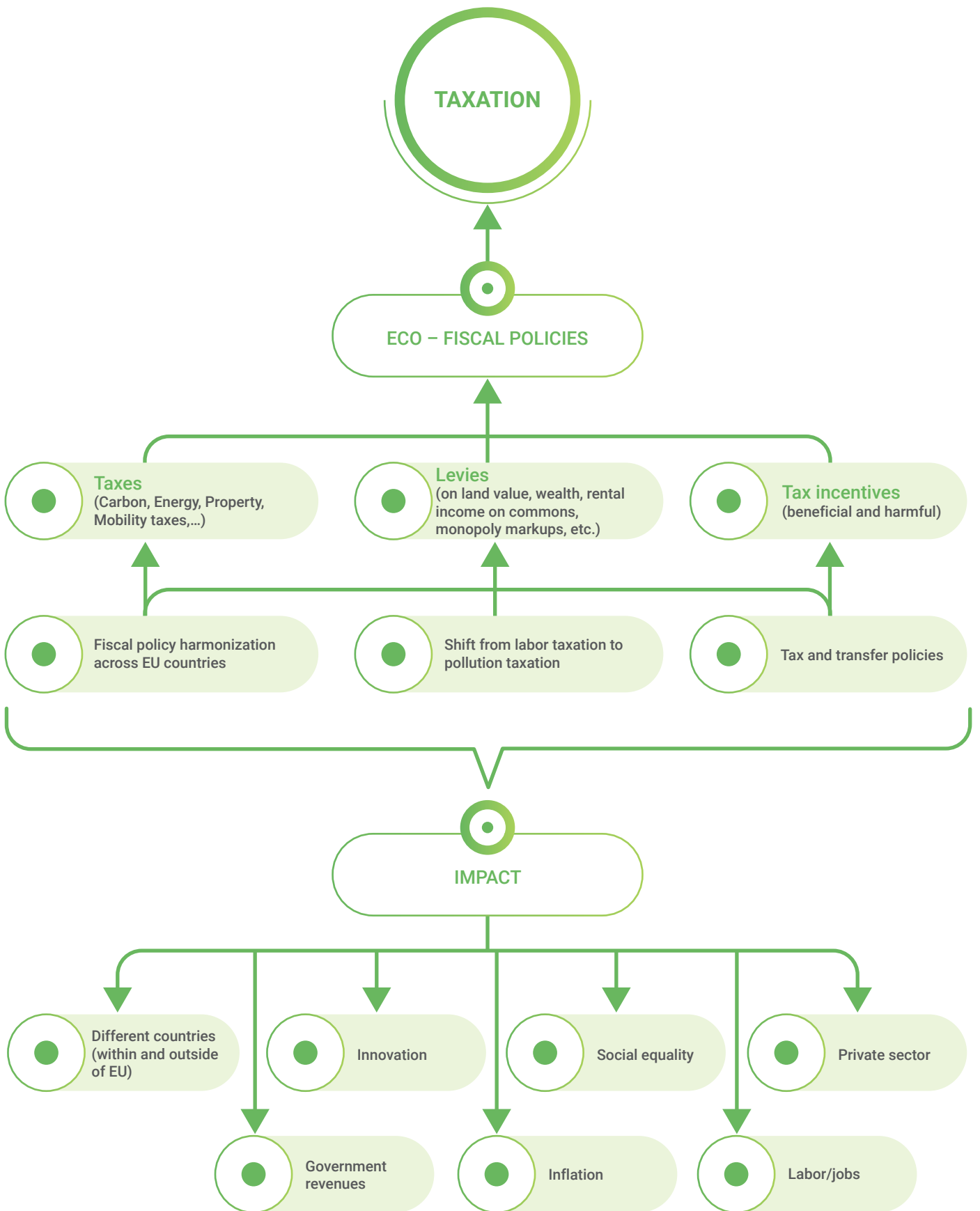
Development Finance Institutions

European Central Bank  
(Align policies with climate neutrality)

Reduce barriers to ensure efficient capital matching

Challenges  
· Definition of clear green finance criteria  
· Measurement

MDBs; SDBs; EXIMs; ECAs



# EMPLOYMENT

1

Description, taxonomy and measurement

DEFINITIONS

Environmental aspects

- 'Green jobs'
- 'Mixed jobs'
- 'Brown jobs'

Labour aspects

- 'Decent work'
- 'Quality jobs'
- 'Precarious jobs'

QUANTIFICATION

Employment

- Creation
- Generation
- Promotion

Jobs

- Destruction
- Loss

Workers

- Transition
- Reallocation
- Absorption

"THREEFOLD TRANSITION"

Recovery

- Green
- Digital
- Post-pandemic

2

Policy and strategy design

CHALLENGES

Costs of job transition

- Concentration of job losses
- Reduction of wages
- Impact on working conditions

Uneven labor impacts

- Regional differences
- Sectorial differences
- Social differences

Optimization of skills

- Closing skills gaps
- Upskilling and reskilling
- Professional training
- Availability of qualified professionals

STRATEGIC DECISIONS

Stakeholders

- Public bodies
- Employers
- SMEs
- Workers
- Trade unions

Timescale

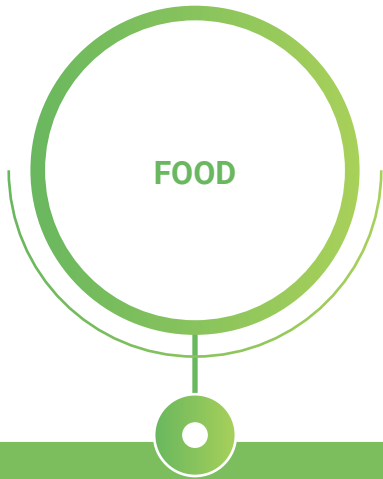
- Near-term
- Long-term

Sectorial approach

- Energy
- Transportation
- Tourism
- Etc.

Balanced policy mix

- Compensation mechanisms
- Incentive mechanisms



**CURRENT FOOD SYSTEM MUST BE IMPROVED**

Environmental

Economic

Social

Move towards sustainable farming

Circular economy + limiting food waste

Healthy food for vulnerable groups

Healthy eating habits for children

Common European Methodology for food waste reduction

European Green Deal

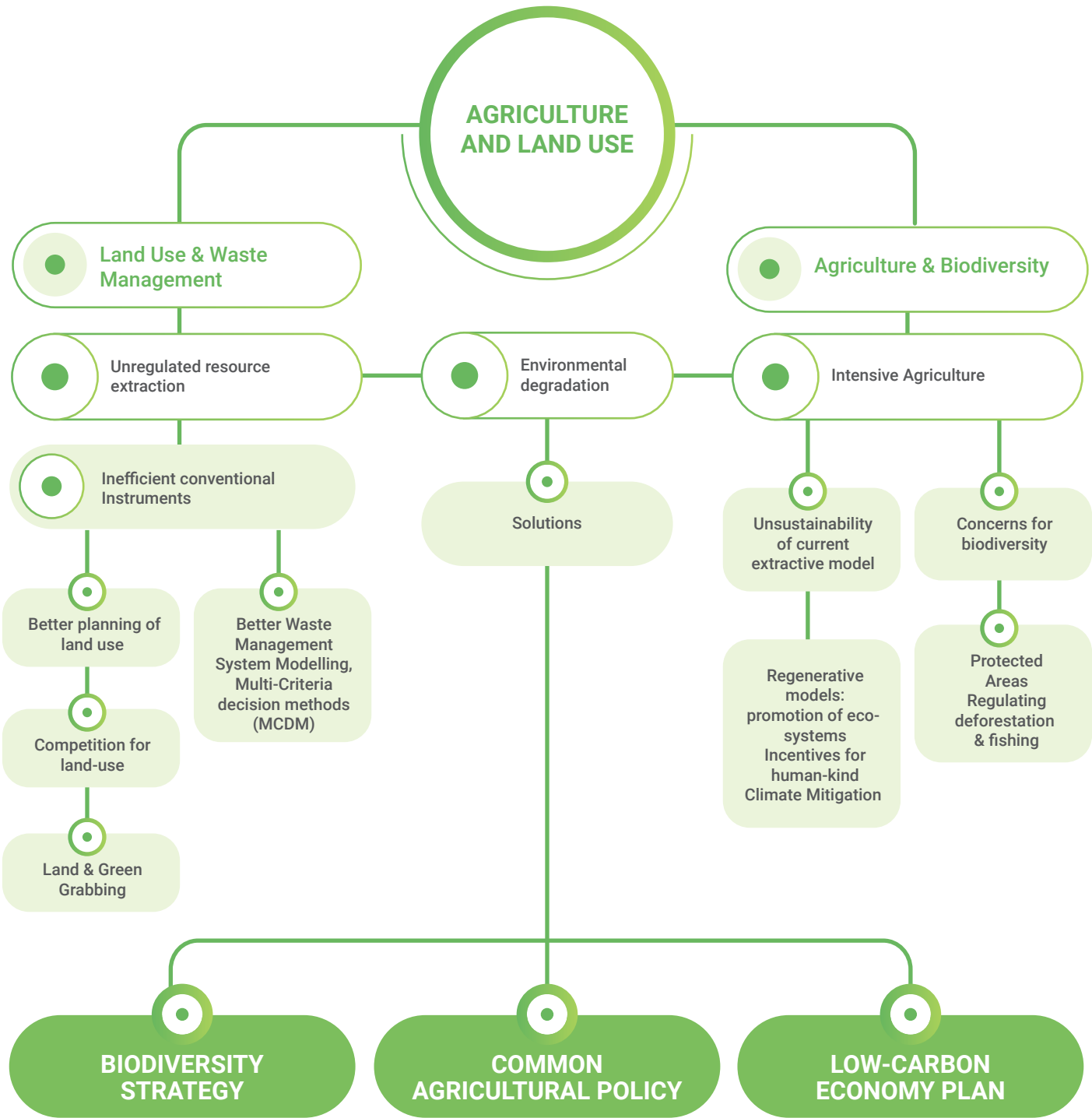
Revision of the Common Agricultural Policy

Farm to Fork Strategy

Greener Public Procurement

Local Food Systems

Quality Schemes and Gastronomic heritage



# SOCIAL WELFARE

WE DELINEATE FOUR BROAD DOMAINS OF FAIR OR JUST GREEN TRANSITION INTERVENTIONS ON SOCIAL WELFARE

KEY IDEAS FOR THE PROJECT: FAIR/JUST GREEN TRANSITION – SOCIAL WELFARE

KEY CONCEPTS FOR SOCIAL WELFARE

1

European Green Deal and the Just Transition Mechanism with the Just Transition Fund,

2

EU 2030 Climate Target Plan and Integrated Social and Environmental Policies,

3

EU Skills Agenda and Employment, Social Affairs & Inclusion enhanced by ESF+, and

4

Integration of the European Pillar of Social Rights and ESF+ in Green Transition Strategies.

1

Integration of Ecological Sensitivity in Social Work,

2

Synergy Between Social and Climate Policies,

3

Just Transition and Social Justice,

4

Eco-Social State as a New Welfare Paradigm,

5

Public Support and Attitudinal Divides in Eco-Social Policies,

6

Role of Welfare States in Green Transition,

7

Embracing Degrowth in Eco-Social Transition.

1

Eco-Social Practice in Social Work,

2

Climate-Social Policy Synergy,

3

Justice in Ecological Transformation,

4

Eco-Social State Framework,

5

Attitudinal Dynamics in Eco-Social Policies

6

Green Transition Role of Welfare States,

7

Degrowth and Social Welfare.

# INDUSTRIAL PRODUCTION

- Public policy
- Eco-social policy mixes
- Just Transition Strategy
- Just transition mechanism
- Just Transition Fund
- Long-term planning

## 1 INDUSTRIAL POLICY

### Goals

- Competitiveness
- Growth
- Openness
- Innovation
- Employment level
- Firms' turnover
- Structural change

### Policy tools

- Active industrial policy
- Competition policy
- European Single Market

## 2 SOCIAL AND REGIONAL CONCERNS

### The employment dimension

- Employment
- Job losses
- Job security
- Good Jobs
- Quality job creation
- Decent work
- Labour relations

### The social dimension

- Inclusiveness
- Fairness
- Social protections
- Social services

### The regional dimension

- Regions
- Territorial divergences
- Regional disparities
- Economic vulnerability

## 3 GREEN TRANSITION

### Challenges

- Climate change
- Climate policies
- Roadmap for 2050
- Sustainability

### Goals

- Carbon emissions
- Carbon leakage reduction
- Decarbonisation process
- Low-carbon economies
- Carbon neutrality
- Net-zero emissions
- Net-zero carbon economy

### Policy tools

- European Green Deal
- Fit for 55 Package
- Green economy

### Points of friction in industry

- Carbon-intensive industries
- Energy intensive industries
- Heavy industry

1+2

## INTERSECTIONS BETWEEN INDUSTRIAL POLICY AND SOCIAL AND REGIONAL CONCERNS

### Dimensions

- Social and spatial impacts
- Distributional impacts

### Actors

- Trade unions
- Regional stakeholders

### Policy tools

- European funds
- Cohesion policy
- Social dialogue

2+3

## SOCIAL & REGIONAL IMPACT OF GREEN TRANSITION

### Challenges

- Employment transition
- Job transitions
- Digital transition
- Employment losses
- Social disruption

### Goals

- Balanced and fair change
- Procedural justice
- Distributional justice
- Equitable and just outcomes
- Green Deal acceptance

### Policy tools

- Transitional assistance policies
- Income support
- Stakeholder and citizens' participation

3+1

## GREEN INDUSTRIAL POLICY

### Goals

- Green transition
- Ecological transition
- Energy transition
- Industrial transition
- Industrial decarbonisation
- Net-zero industry

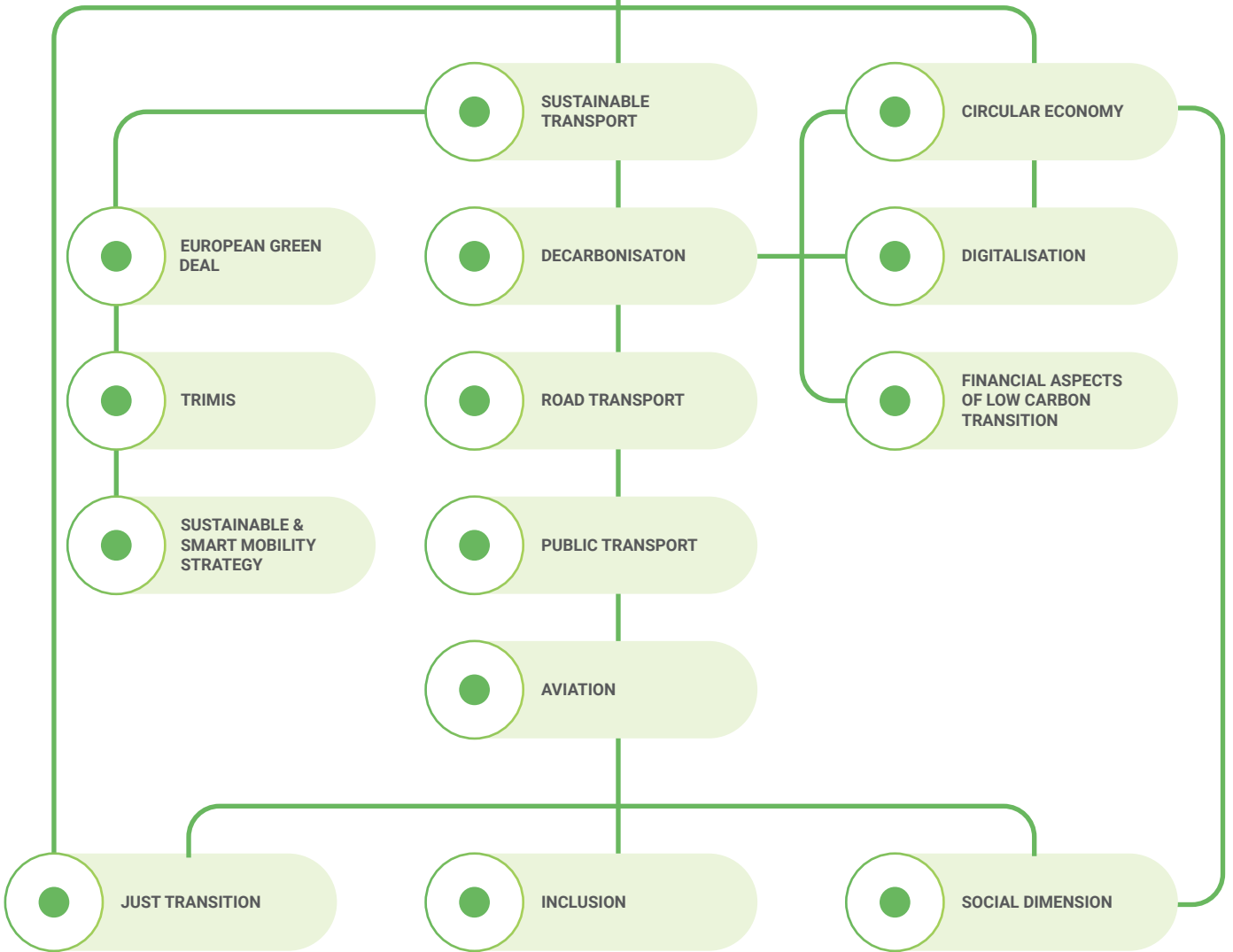
### Aims

- Investment
- Skills
- Training and education
- Retraining
- Take up Jobs
- Energy efficiency
- Switch technologies
- New industries
- Green management

### Policy tools

- EU industrial strategy
- Green growth strategy
- Emissions Trading Scheme
- Disruptive green innovation
- Carbon pricing
- Carbon taxation
- Carbon border adjustment mechanisms

# TRANSPORT



**DISTRIBUTIVE JUSTICE**

Allocation of resources,  
benefits and burdens  
Resilience-building activities

**PROCEDURAL JUSTICE**

Transparent and fair  
processes  
Inclusive and meaningful  
participation

**RECOGNITIVE JUSTICE**

Engagement of diverse values,  
perspectives, and cultures in  
measuring the impacts of  
climate change and  
adaptation action

**EQUALITY**

**Energy transition**

Job Substitution

Energy poverty/energy  
affordability

Job loss

Job transformation

**Leave no one behind**

Gender equality

Social Justice

Social dialogue

Social Inclusion

Social Risk

**Financing the transition**

Unequal fiscal capacity

Unequally distributed financial

Fiscal reforms

# ACCESSIBILITY AND INCLUSION

## Principles

Energy Justice

Nature Based Solutions (NBS)

Energy Citizenship

Prosumership

Agroecology

Inclusive governance & due process

## Mechanisms

Energy Training

Public procurement

Smart Meters & Grids

Biomass value chain

Basic farm income, permaculture and organic food production

Ombudsman

## Actors

Trade (labour) unions

Environmental Agencies

Renewable Energy Communities

Policymakers

Family/small-scale farms

Trusted intermediaries

# ENERGY AND CLIMATE

## ECONOMIC ASPECTS

- Economic implications of decarbonisation / financial challenges
- Competitiveness and income distribution
- Monetary policies and state aid
- Implications of recovery and resilience facility
- Energy taxation
- Green fiscal pact
- Coal and fossil fuel industry phaseout-2030 targets
- Transformation of retail electricity markets
- Access to critical minerals for green energy transition
- Covid and war in Ukraine impact

## SOCIAL ASPECTS

- Energy poverty/energy justice/energy inequality
- EGD implementation fairness and justice
- Work and employment indicators in carbon intensive industries
- Income distribution impacts welfare regimes
- Just transition and SDG's nexus
- Citizen perception of climate and energy options for just transition

## POLITICAL ASPECTS

- Labour and climate justice intersection
- Conflicts and socio-ecological disruptions within european energy transitions
- Welfare policies for socio-ecological transition
- Role of state in the context of just transition

## LEGAL/REGULATORY ASPECTS

- Legal and regulatory elements of energy transition
- Regulatory barriers to expansion of energy communities and cooperatives in Europe
- Renewable energy communities as socio- legal institutions
- Significance of energy charter treaty-advancing or undermining Europe's green transition

OTHER POLICY RELATED ASPECTS

GOVERNANCE/LEADERSHIP/INTERNATIONAL DIMENSION/ IMPACTS OF THE TRANSITION IN EUROPE ON OTHER WORLD REGIONS

# URBAN INFRASTRUCTURE

- Urban mobility
- Energy systems
- Waste management
- Water Management
- Food Production and distribution

## URBAN POLICY

- Sustainable energy and climate action plan (SECAP)
- Sustainable urban mobility plan (SUMP)
- Local climate plans
- Mitigation plans
- Adaptation plans
- Macro-regional strategies

## URBAN NETWORKS & COOPERATION

- Covenant of Mayors (EC initiative)
- European Committee of the Regions (CoR)
- Mission Cities (Horizon Europe)
- NetZeroCities (Horizon 2020)
- ESPON - European Observation Network for
- Territorial Development and Cohesion
- URBACT - European Territorial Cooperation programme
- Urban Innovative Action (ERDF 2014-2020)
- European Urban Initiative (ERDF 2021-2027)

## LAND GOVERNANCE

- Land policy
- Land management
- Land administration
- Land development
- Land use planning
- Land ownership

## FINANCING TRANSITION IN URBAN INFRASTRUCTURE

- Council of Europe Development Bank (CEB)
- European Bank for Reconstruction and Development (EBRD)
- European Investment Bank (EIB)
- European Social Fund (ESF)
- European Regional Development Fund (ERDF)
- Cohesion Fund (CF)
- Just Transition Fund (JTF)
- Horizon programme New European Bauhaus (NEB)
- Renovation Wave
- Interreg
- Next Generation EU

## URBAN DESIGN PRINCIPLES

- Nature based solutions (nbs)
- Green and blue infrastructure (gi)
- Smart city concept
- Climate sensitive city
- Resilient city
- Net zero city
- Digital city
- Sustainable city

# TRADE AND SUSTAINABLE DEVELOPMENT

Environmental sustainability

Social sustainability

Economic sustainability

## COHERENT EU TRADE AND SUSTAINABLE DEVELOPMENT POLICY

TRADE AGREEMENTS (TSD Chapters)

DEVELOPMENT (GSP, GSP+and EBA)

MULTILATERAL ACTION (WTO and OECD proposals)

STANDARD SETTING (ecodesign, standardisation)

CARBON PRICING (CBAM)

SUPPLY CHAIN RESPONSIBILITY (CSDDD)

CRITICAL RAW MATERIALS (CRMA)

DEFORESTATION (Deforestation regulation and FEGTL)

BAN ON FORCED LABOUR PRODUCTS

Trade Instruments

Green Transition instruments

Sectoral Policy Instruments

SOCIAL AND ENVIRONMENTAL CONFLICTS: EXPLOITATION, POLLUTION, EXTRACTION, INEQUALITY