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THE NECESSITY AND IMPORTANCE OF DECARBONIZING THE ECONOMY

Abstract . Global climate change consequences eliminate in the process of the economy decarbonization important importance has . In the article stable development goals done in increasing the economy decarbonization of importance , essence and his/her to oneself typical features , as well as the main tools quoted .

Key words : stable development , global climate change , greenhouse gases emission , Paris agreement , ecology , carbon capacity , human activity .

ENTRANCE

Decarbonization stable and solid on our journey to the future inseparable This is the goal . imperative strategy to reduce aimed at carbonate dioxide (CO₂) and other greenhouse gases emissions , they are causing global warming and climate change behind main are the culprits . Decarbonization aspiration through whole world along societies climate change harmful the impact softening , energy safety provide and current and future generations for our planet health save stay with together economic growth to encourage goal did .

Global climate change of the 21st century main from problems one is , this regarding own on time measures done if not increased in the atmosphere greenhouse gases emission increase as a result of global environmental to threats take arrival possible .

Global climate change – of humanity to nature relatively bossless in a relationship to be as a result in the environment of balance to the violation

reason Globalization is happening . in the processes coal , oil , natural gas such as hydrocarbon fossil fuels burning greenhouse gas calculated carbonate anhydride and nitrogen oxide gases atmosphere to the air to be released reason will be .

Climate change population marriage to the level negative impact shows , drink water to the shortage and food products to cultivate makes it difficult .

Coming output natural or anthropogenic was carbonate anhydride , nitrogen oxide , sulfur fluoride , ozone , methane , water vapors and one row synthetic emission gases sun energy land in the atmosphere holding remains and as a result The greenhouse effect occurs This is own In turn , the Earth global climate in the world to changes reason will be .[1].

Global climate change consequences prevent in receiving important from directions one the economy decarbonization is considered .

ANALYSIS AND RESULTS

Global threats prevent to take for the purpose climate changes according to Paris transaction acceptance Made in Paris of the transaction main from the goals one world in countries waste amount reduce obligation to take by designating placed .

The economy decarbonization is human activity as a result carbon (CO₂) and other greenhouse gases waste reduce This process coal , oil and gas such as digging removable energy from sources solar , wind , hydro and nuclear energy such as clean and stable energy to the sources to pass own inside takes .

Decarbonization main to their goals the following includes :

1. Climate risks Reduce : Greenhouse gases emission reduce , extreme weather events , sea level rise and ecosystems change , global warming and his/her the impact to slow down help gives .

2. Innovations and technologies : decarbonization process energy , transport and working release in the fields new technologies and innovative solutions working exit encourages .

3. Economic opportunities : few carbonaceous to the economy transition again renewable energy and other in the fields stable development and business expansion and new work places create opportunities brought releases .

World in countries energy , transport, industry , construction , agriculture in the economy , finance in the sertor the economy decarbonization wide is being used .

The world in 2021 CO₂ on scale emissions by 36.4 billion tons enough , this waste about 75% mined removable oil , coal , gas fuels burning as a result harvest will be .

Back in 2020 renewable energy sources total world electricity energy working of release about 29 percent organization did , this past for years relatively noticeable is growth .

International energy agency (IEA) data According to , by 2050 carbon neutrality achieve for again renewable resources on a global scale energy working release in the content share from 70 percent increase need .

So , the economy decarbonization - this climate to change against fight for carbon waste and other greenhouse gases emission reduce process is considered .

The economy to decarbonize to achieve help giving main tools :

The economy decarbonization main tools		
1.	Again renewable energy to the sources transition	Energy on the balance solar , wind , hydro and geothermal energy share increase
2.	Energy efficiency	Industry , transport and in residential sectors equipment update and energy saver technologies and from materials use through energy efficiency

		increase
3.	Transport electrification	Electricity and to hybrid vehicles transition , infrastructure develop through less emissive public transport current to be
4.	Stable village farm	Village on the farm to the ground processing in giving organic from fertilizers use minimize
5,	Carbon technologies	To the atmosphere being released carbons catch and storage (CCS) technologies working release and current to work , as well as to release in the processes from carbon use .
6.	Innovations encouragement	Pure technologies working to release based research and developments support
7.	Economic measures	Carbon emissions reduce for economic incentives creative carbon tax or emission trade system current to be
8.	Education and awareness	The economy

		decarbonization importance about public awareness increase
9.	International cooperation	Climate to change against struggle according to international contracts and in initiatives participation to grow
10.	State by support	Decarbonization policy and initiatives done increase for state help necessary

The economy decarbonization advantages gives :

1. **To the climate endurance** . Greenhouse gases emission restriction through decarbonization climate change intensifying going including the impact extreme weather events , sea level rise and ecosystem violations to soften help gives .

2. **Health and prosperity** . Decarbonization as a result air pollution Decreased respiratory diseases and relevant health storage expenses reduce through population to your health positive impact shows .

3. **Economic growth** . Again renewable energy and stable to technologies investments work their places creates , innovates encourages and developing on the networks economic to develop help gives .

4. **Energy security** . Mining removable from fuel give up delay energy independence increases and resources price variability and geopolitical to tensions relatively weakness reduces .

5. **Global cooperation** . Towards decarbonization aspiration international cooperation develops , because countries are facing a global problem solution to do for general They accept responsibility .

World 2/3 of countries , including G20 countries, by 2045-2060 carbon neutrality to achieve own in front of them goal as by designating [2] The world 2000 most popular countries large from companies about 30 percentage that is, from 700 more than large companies this to the goal added [3].

The economy decarbonization as a result gross internal in the product carbon capacity to reduce By 2050 , the world's electricity of energy at least half the rest (probably up to 70%) renewable energy sources using working release forecast is being done . The 21st century to the end come , " clean " to "energy" transition completion probability available . Leader of countries in industry from oil , gas , coal use abbreviation new energy of the policy to the essence , green the economy development far to the long-term global trend is spinning [4].

However , if the global economy is to become carbon neutral by 2050, neutrality if not achieved , gross internal of the product one how many years from 4% to 18% during to decrease take arrival possible [5].

CONCLUSION

The economy decarbonization world countries stable development to their goals to achieve and climate to change against struggle on the way main step It is carbon . waste reduce and sun , wind and hydroelectric power such as less carbonaceous energy to the sources to pass own inside takes .

Decarbonization process climate change as a result to the surface upcoming global problems solution as effective energy policy administration , industry , transportation and village on the farm technological and innovative changes own inside received complex approach demand does .

Low - carbon to the economy transition innovations encouragement , work places create and clean energy to the types transition and economy in the fields stable development through economic growth for new opportunities opens .

The economy decarbonization not only ecological necessity , maybe further stable , fair and prosperous society create The economy is an opportunity . in decarbonization structural and technological changes to encourage done increase as a result high technological in the fields employment to improve the environment pollution decrease and green in global product markets participation of arrival as a result economic and ecological benefit brings .

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