**NEWS MAP**

|  |  |
| --- | --- |
| **TITLE** | Processing of carbon dioxide into useful substances |
| KEY WORDS  *(3 – 5 – 7 )* | Carbon dioxide(CO2), harmful to the environment, recycling, catalysts |
| THE LEAD  *What has happened?*  *- 1snt!* | Tomsk Polytechnic University has developed a plan for processing carbon dioxide using catalysts |
| **The BODY** | |
| TEXT  *Who / When /Where*  VISUALS  REFERENCES | Carbon dioxide accelerates the process of global warming. Because of these risks, ways to reduce CO2 emissions are being developed and implemented all over the world. Specialists from Tomsk Polytechnic University have proposed a method for absorbing and processing CO2 using catalysts (the catalyst consists of two parts: the carrier, which itself is conditionally neutral, and the active phase, which is applied to it and accelerates the reaction). "In practice, our method will look like this: a reaction mixture containing carbon dioxide is passed through the catalyst layer in the reactor. Further, at a certain temperature and pressure, CO2 turns into useful chemical products," said Alexey Pestryakov, a professor at the TPU Research School of Chemical and Biomedical Technologies.    https://ria.ru/science/?ysclid=lcrn7oaq23291676604 |
| **EXTRA INFORMATION** | |
| Why is that important? | This discovery is important for people because having fulfilled the plan for processing and reducing carbon dioxide emissions, the environment will improve, there will be less pollution |
| Is that a Fact or Fiction?  *Who provides this information?*  References | A Fact.  Scientist.  Pestryakov Alexey Nikolayevich - Professor of the Research School of Chemical and Biomedical Technologies  https://portal.tpu.ru/SHARED/p/PESTRYAKOV/biography |
| Questions to consider | Is this research useful?  How will this discovery affect the environment? |