

The protocol requires industrialised countries to cut their emissions of six gases which scientists believe are exacerbating natural climate change.

Signatories will by some time between 2008 and 2012 have to cut emissions to 5.2% below their 1990 levels.

But many scientists say cuts of around 60-70% will be needed by mid-century to avoid runaway climate change.

The convention's executive secretary, Ms Joke Waller-Hunter, told BBC News Online: "It's wrong to think the protocol will do so little that it's insignificant.

"It's a very important first step that can lead to much more far-reaching measures. Yes, it's a peanut - but a vital one in the long run."

The protocol would have entered into force when 55 signatories had ratified it, including industrialised countries responsible for 55% of the developed world's carbon dioxide (CO2) emissions in 1990.

## 'Paper' pollution

Some critics say President Bush's decision that the US, which emits more greenhouse gases than any other country, would not ratify the protocol had already condemned it to irrelevance.

But enough other signatories have done so for it to have entered into force if Russia, another big polluter, had decided to ratify.

The protocol's supporters question Mr Illarionov's view that ratifying Kyoto would harm Russia's economic prospects.

Each country's emission reduction targets were set in 1990, when the Soviet Union's heavy industries were still pumping out huge amounts of pollution.



Russia (and most of the states President Putin at a climate conference of the former Soviet bloc) cannot now afford either the industries, or even the fuel that drove them.

in September said he wanted more from Kyoto

So Moscow has the notional right, under the protocol, to emit vast quantities of "paper" pollution which will never leave a factory chimney.

What it can do is sell its unused emission entitlements to industrialised countries which are close to exceeding their own allowances, and this could be a very lucrative trade.

## **Future talks**

Throughout first the US and now Russian refusal to ratify the protocol, the European Union has remained an enthusiastic advocate of its potential.

The EU Environment Commissioner, Margot Wallstrom, commenting on an announcement by the European Environment Agency that the EU was on course to miss its targeted emission cuts, remained resolutely hopeful.

"The Kyoto Protocol is not dead", she said. "It has maybe

held its breath for a little while as we are all waiting for the Russian ratification."

A few minutes later came Mr Illiarionov's bombshell, tempered only slightly by his qualification that Russia would not ratify the protocol "in its present form".

One of the criticisms of Kyoto made by the US and others is that it requires only industrialised countries to make emissions cuts.

The developing countries are exempt for the moment, though negotiations were due to start soon on the cuts they will soon have to make.

Many of them are already working to live up to the spirit of the protocol. But if neither the US nor Russia is willing to sign up to the letter, the poor world may lose interest as well.

	his to a friend	昌 Printat	ole version
LINKS TO MORE SCIENCE/NATURE STORIES			
Select			

E-mail services | Desktop ticker | Mobiles/PDAs |

## o BBC MMIV

News Front Page | Africa | Americas | Asia - Pacific | Europe | Middle East | South /UK | Business | Entertainment | Science/Nature | Technology | HealthHave Your Say | Country Profiles | In Depth | Programmes

BBCi Homepage >> | BBC Sport >> | BBC Weather >> | BBC World Service >>

About BBC News | Help | Feedback | News sources | Privacy | About the BBC