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**THE CYBERNETIC TECHNOLOGIES AS
PRINCIPAL GENERAL PURPOSE TECHNOLOGY
OF SIXTH TECHNOLOGICAL WAVE
AND A NEW ECONOMIC MODEL FOR RUSSIA**

**Pushchino, Moscow region, Russia,
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Slide 1. The existing Russian economic model doesn't work.

Libertarian economists predict bleak future for us (Davos-2013).

We need a new economical model (NEM).

Libertarian NEM («Strategy-2020: New Model of Growth – New Social Policy») consists of:

fiscal consolidation,

deregulation,

privatization,

modernization and innovation,

diversification.

Slide 2. This NEM is unworkable because it

- **continues Washington Consensus policy,**
 - **disregards regularities of technological & economical evolution,**
 - **does not permit catching up with technological leaders,**
 - **produces no recommendations (E.T. Gaidar) how to free economy**
- from the «resourse curse trap» (RCT).**

Slide 3. «Resource curse trap» (RCT).

RCT means,

- **firstly, that the minuteness of high competitive, high exporting, high manufacturing traded sector of economy (3H-TSE) is obstructing high tech innovations**
- **secondly, that there is no 3H-TSE without innovations.**

RCT causes

«finance bubbles»,

inflation,

appreciation of PPP

deindustrialization

Slide 4. New economical model

NEM must provide creation of a large and highly profitable 3H-TSE under conditions of RCT.

Let's examine an «evolutional & institutional» NEM.

It consist of

- **democratically implemented institutional reforms,**
- **high tech modernization on the base of the sixth technological wave (TW-6)**
- **new industrialization.**

Key question is: on what general purpose technologies Russia must bet on?

Slide 5. Key question is: on what general purpose technologies Russia must bet on?

The author proves that the only answer are cybernetic technologies:

- artificial intelligence,**
- robots,**
- AND it's hybrids with BIO, NANO, ECOL, HEALTH & HUMANIC technologies**

Because they

reduce the demand on labor

weaken RCT,

revolutionize all previous TWs technological systems

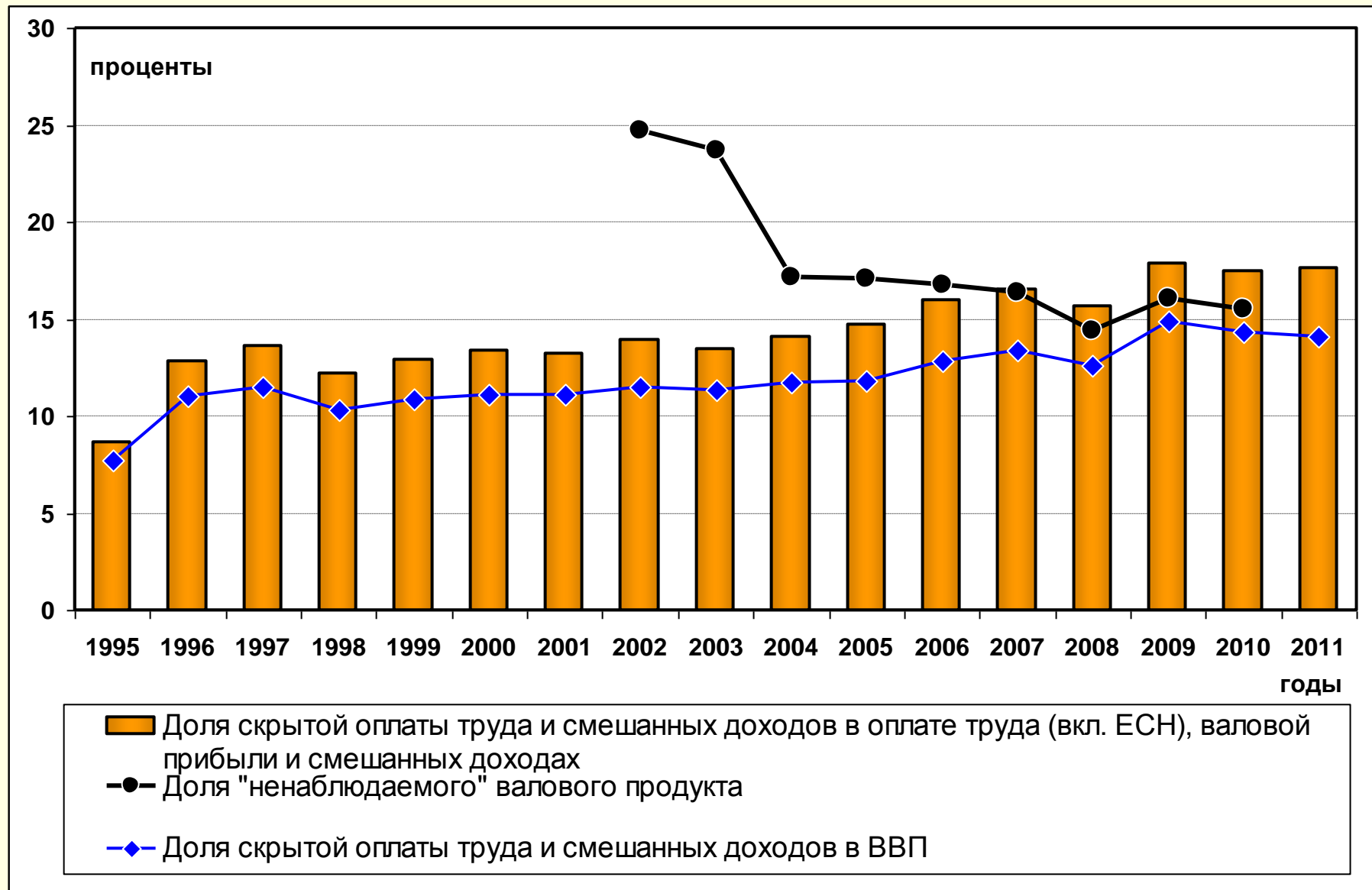
are applicable for non-traded sector.

**Slide 6. Also, government could develop cybernetic technologies
in public sector without WTO restrictions.**

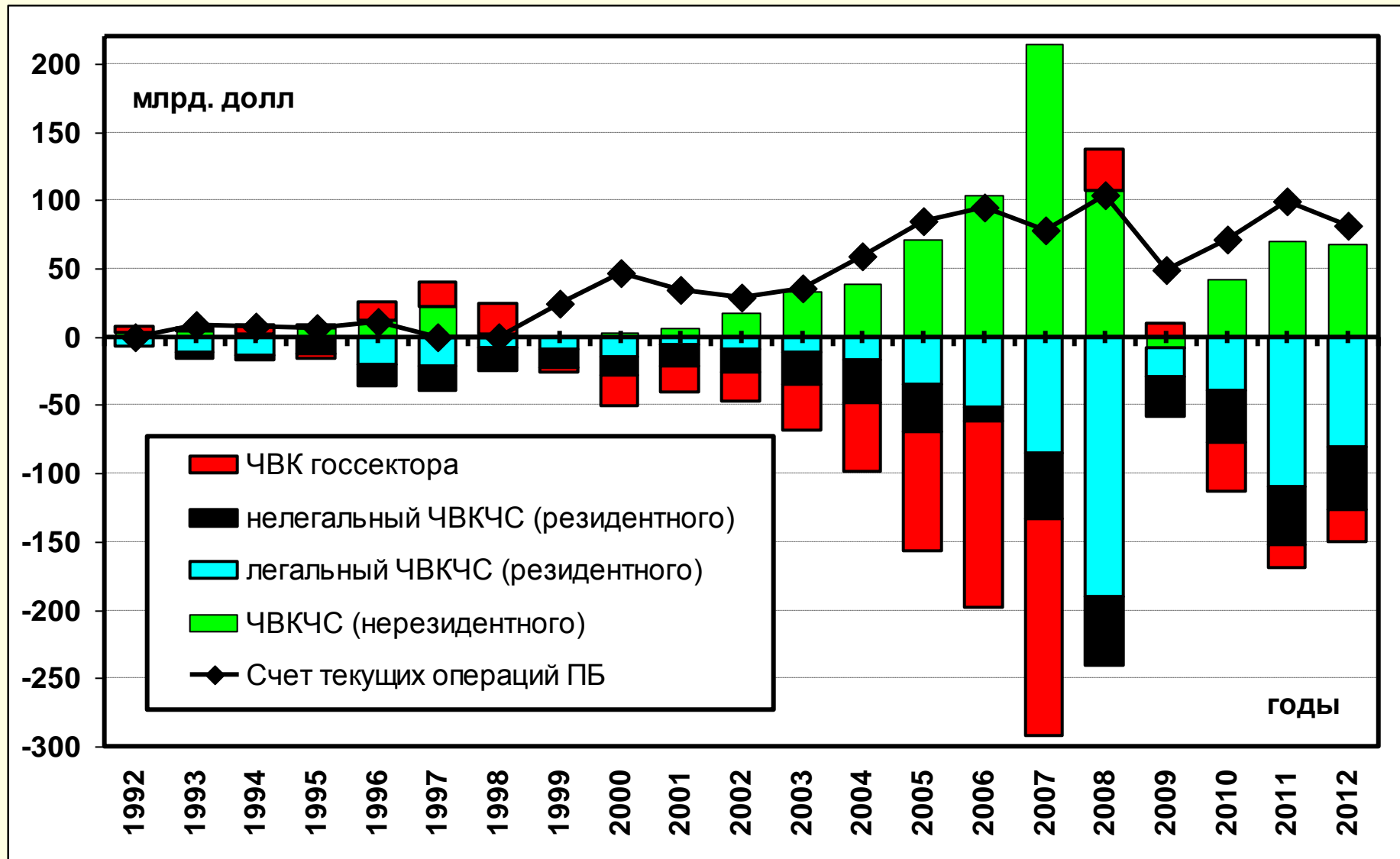
**Biotechnology, nanotechnology, etc, are very important
but there is no 3H-TSE and TW-5 production in Russia today
And, also, the development promotion in private sector are
hampered by WTO restrictions.**

NEXT SLIDES: MAIN PROBLEMS OF RUSSIAN ECONOMY

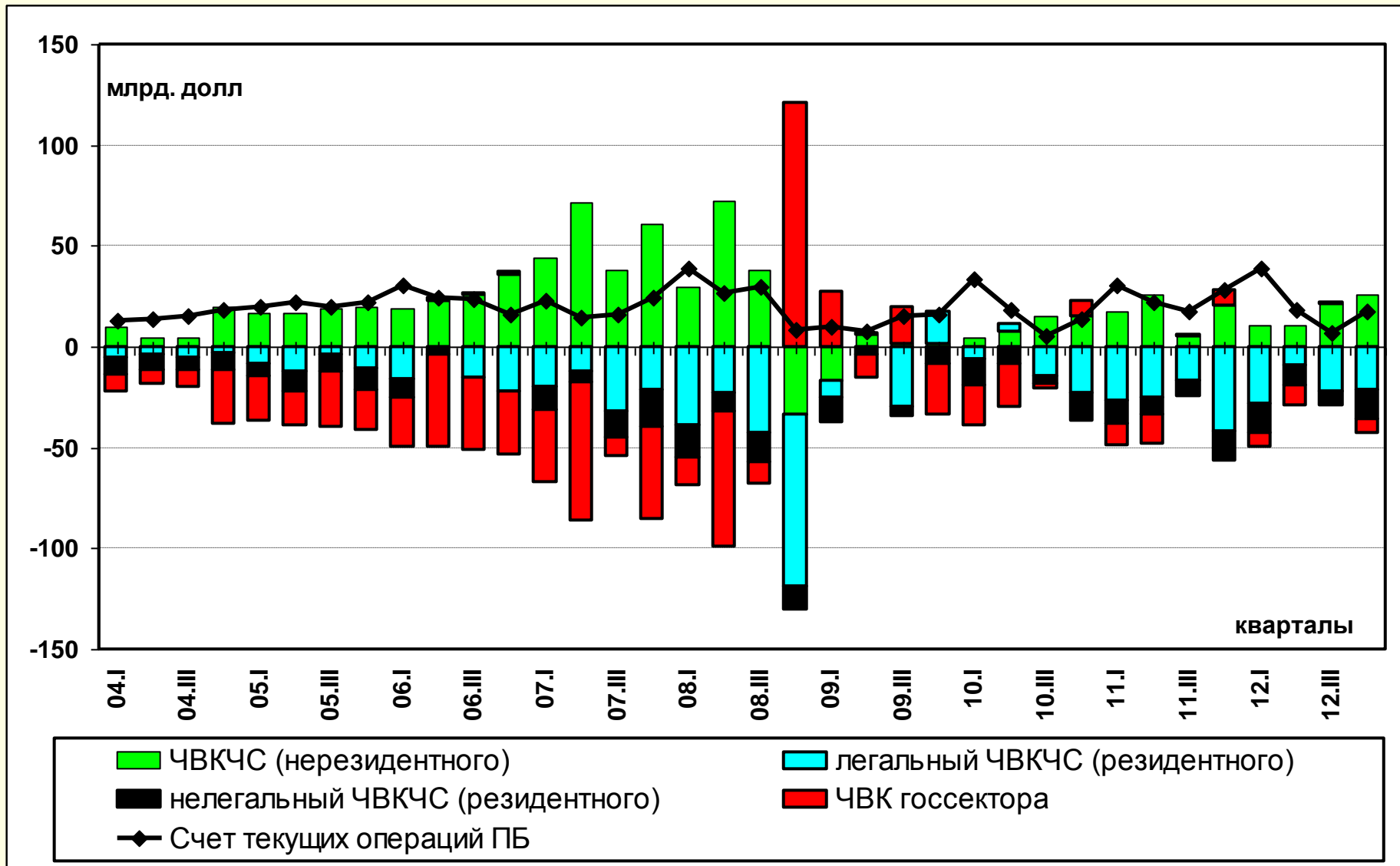
Slide 7. (Hidden wages / All Wages) Ratio; (Hidden GDP / All GDP) Ratio; (Hidden wages / All GDP) Ratio, %



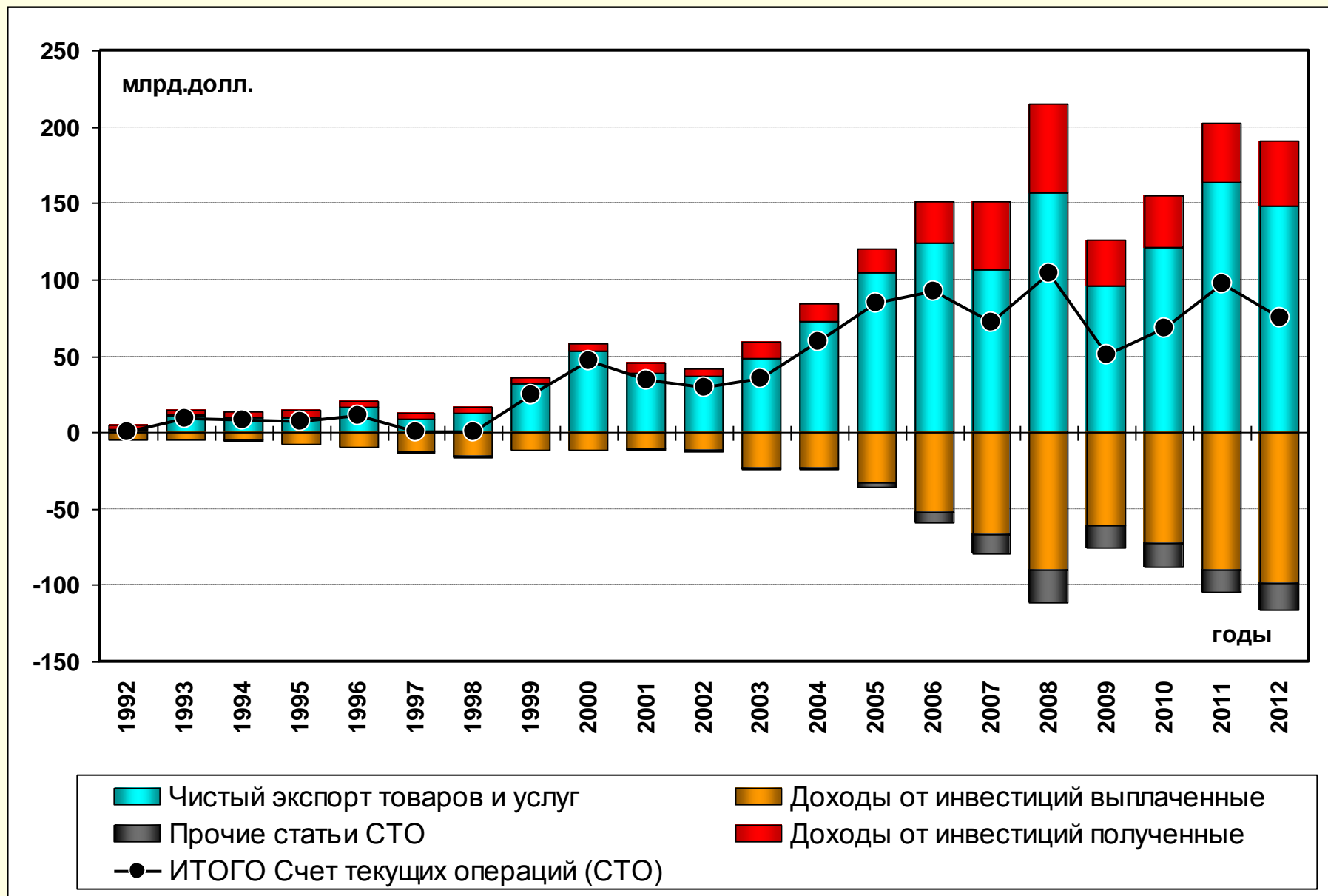
Slide 8. Current Account of Russian BoP & capital movement (ЧБК – netto inflow (+)/ outflow (-); ЧС – private sector) (Years)



Slide 9. Current Account of Russian BoP & capital movement (ЧВК – netto inflow (+)/ outflow (-); ЧС – private sector) (Quarters)



Slide 10. Current Account of Russian BoP , 1992-2012 гг., \$bln



Slide 12. FDI inflow (+) & outflow (-) by countries and types of jurisdictions (off-shores & on-shores), \$bln

