

Public (State-Government) and Private Business: Are They Always Partners?

**PPP (G2B or B2G) – marriage
of convenience :**

Different potentials and interests;

Privatization in the 90s last century: FEC and RE;

PPP-2000: harmonization;

PPP- definition for mutual understanding

PPP in RE – definition

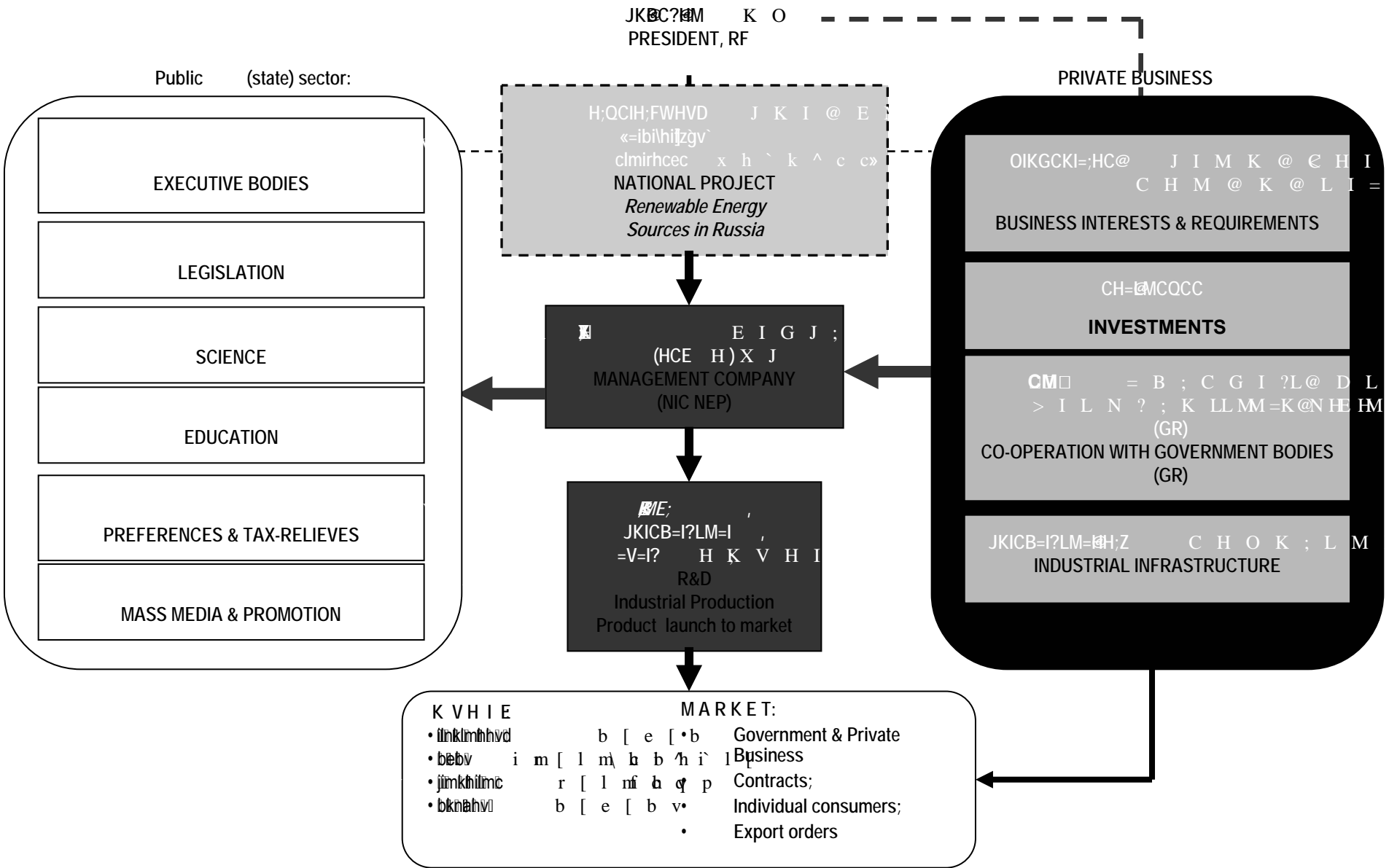
>RJ - x gfnkcrhē lclmḡ[eihlifcōc onheqih[whvp Imknemnkim[ImI
 c r[mhii^ \cbhl[eimikv` bōlmiḡv] lok` =CX c eimikv` kljifym
 liimḡnlmḡhytcgc ḡchclmk[nchvgc , njkḡhrtecgc , ochḡliḡvgc , jkḡvgc,
 mḡhifiērtcgc , chmffēmnḡwhvgc c knēgc klnklḡc .

Qfw >RJ - drḡḡ ilmcahcz lchkḡmcrlei^ xooēm[libḡmw eḡ[mḡhi hiḡ`
 \ḡḡkczmhv` nlficḡ fz chhiḡḡhii^ kḡḡmcz lmkḡv jnmḡ ikḡcrhid
 chmḡkḡc =CX] mkḡḡḡihny xhkḡcen , [] ifḡkirhid jkljēmc] -
 jkḡḡ_ h[rclmv` ḡḡv xhkḡc] xeihigce`

PPP looks like a matrix system which integrates functional facilities of state-government structures and private business in the sphere of administration, management, finance, legislation, technology, intellectual assets, etc.

The aim of integration is to achieve a synergetic effect which creates more favorable conditions for innovative development of the country on the basis of RE, its organic integration in traditional (hydrocarbon) energy and in the long-term period – transfer to clean energy economy.

General Scheme of Private-Public Partnership in Renewable Energy Project



Qfw - 5% =CX 2015 in

Mission - to achieve 5 per cent level of RE up to 2015

VIEWPOINT OF RUSSIAN LEADERS

To keep *leading positions in the world energy*
 «even if the world stops using raw hydrocarbon materials»

To become *initiator* and «*trendsetter*» in energy innovations,
 new technologies of energy conversion, search for modern forms of energy
 efficiency, resource-saving and entrails of the earth saving as
 well as environment conservation

«To work aimed at much promising energy trends –
hydrogen and thermonuclear»

To use favorable conjuncture of prices for raw hydrocarbon materials
 as *investments* to RES development

To develop *public, private and international partnership* in the field
 of alternative energy and hydrogen technologies

Vladimir Putin,
President RF

Dmitry Medvedev,
Newly-elected
President RF

SCIENCE & BUSINESS: PARTNERSHIP IN HYDROGEN TECHNOLOGIES

2003 : RAS + GE «Hydrogen Energy and Fuel Cells» = Comprehensive Program
"Hydrogen Energy and Fuel Cells"

2005 : National Innovation Company *NEW ENERGY PROJECTS*
was created to realize this Program

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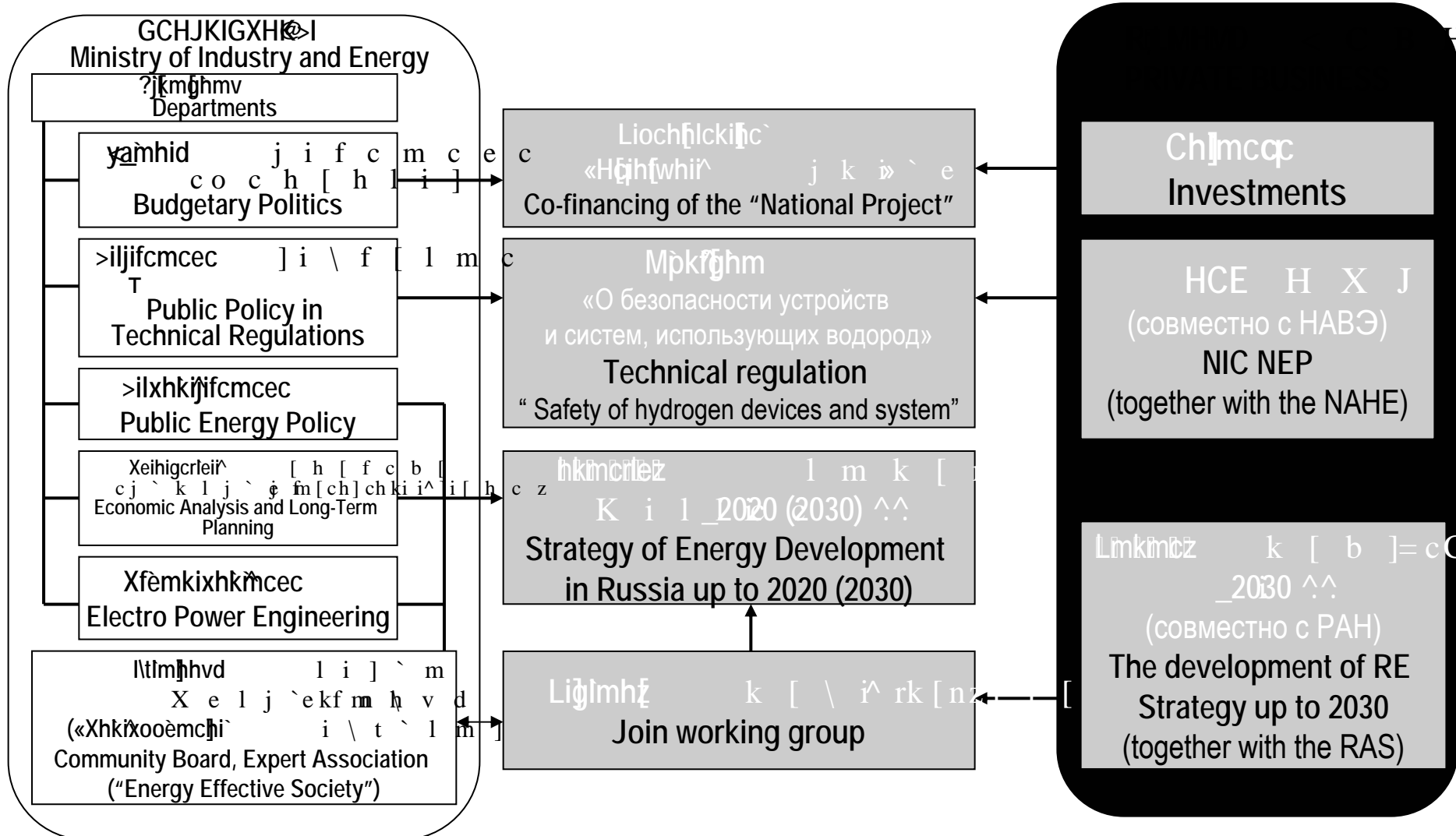
National Innovation Company *New Energy Projects (NIC NEP)*

Mission – system integration and target finance of projects aimed at R&D, industrial production and commercialization of renewable energy products, hydrogen technologies and nanomaterials.

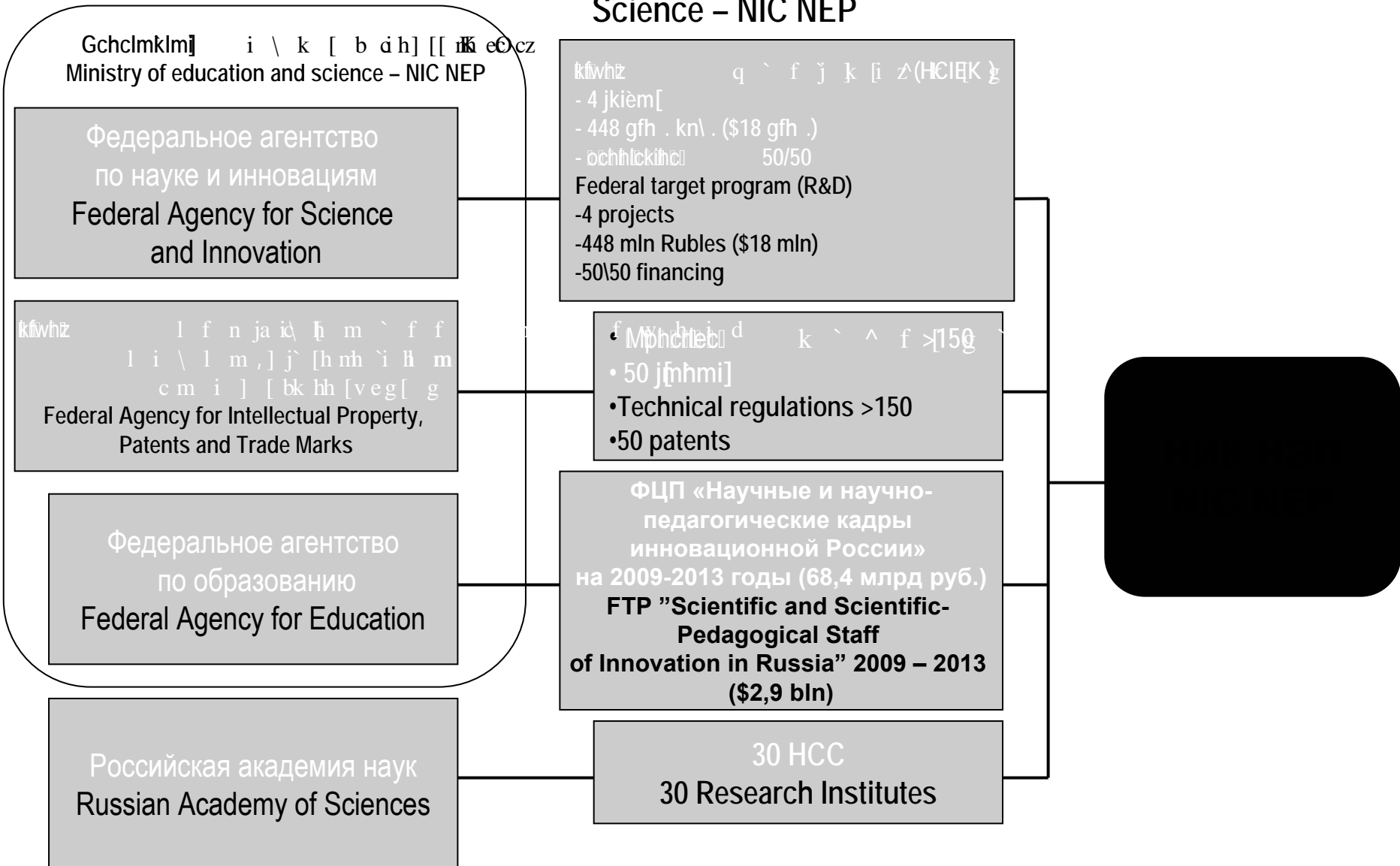
Strategy of development	<p>I x m [(2005 – 2008 ^.)</p> <ul style="list-style-type: none"> • R&D (in proportion percent 80/20) • Total investments - more than \$ 300 mln
	<p>II x m [(2009 – 2014 ^.)</p> <ul style="list-style-type: none"> • R&D (in proportion percent 20/80); • Pilot production
	<p>III x m [(2015 – 2020 ^.)</p> <ul style="list-style-type: none"> • Start-up of industrial production • Introduction of products to domestic and external markets

Products under development	<p>K j k h z x h ` k ^ ` m c e [(стационарные когенерационные энергоустановки мощностью от 100 кВт до 5 МВт) Distributed power generation (100 kW to 5 MW stationary cogeneration power plants).</p>
	<p>t j k d h i , k b k h i ` c [] [k x d h e m k i l h (ЭУ мощностью от 5 до 50 кВт) Uninterrupted, back-up and emergency power supply plants (FC power plants ranging from 5 kW up to 50 kW)</p>
	<p>C h m k c k i h v i x h ` k ^ i h i l m h [j i h i] b j i e d i i f c l m i x h c (l i a r h i d] c c c] ` m) l k z h i i d k q e h f v (мощностью от 2 до 100 кВт и выше) Integrated renewable energy-based power plants using renewable energy sources (solar and wind) with a hydrogen cycle (modular power plants ranging from 2 kW to 100 kW and higher)</p>
	<p>E f y m i e i g j i] h i ` _ h i n k m i ` _ p c h d w a m ` k h x h ` k ^ ` m c e b c , [j k m p c h v l h m v k ` i f x z f m e [m k m ` p c h . d e c Key components of hydrogen technologies and renewable energy, portable charges for electronic devices, etc</p>

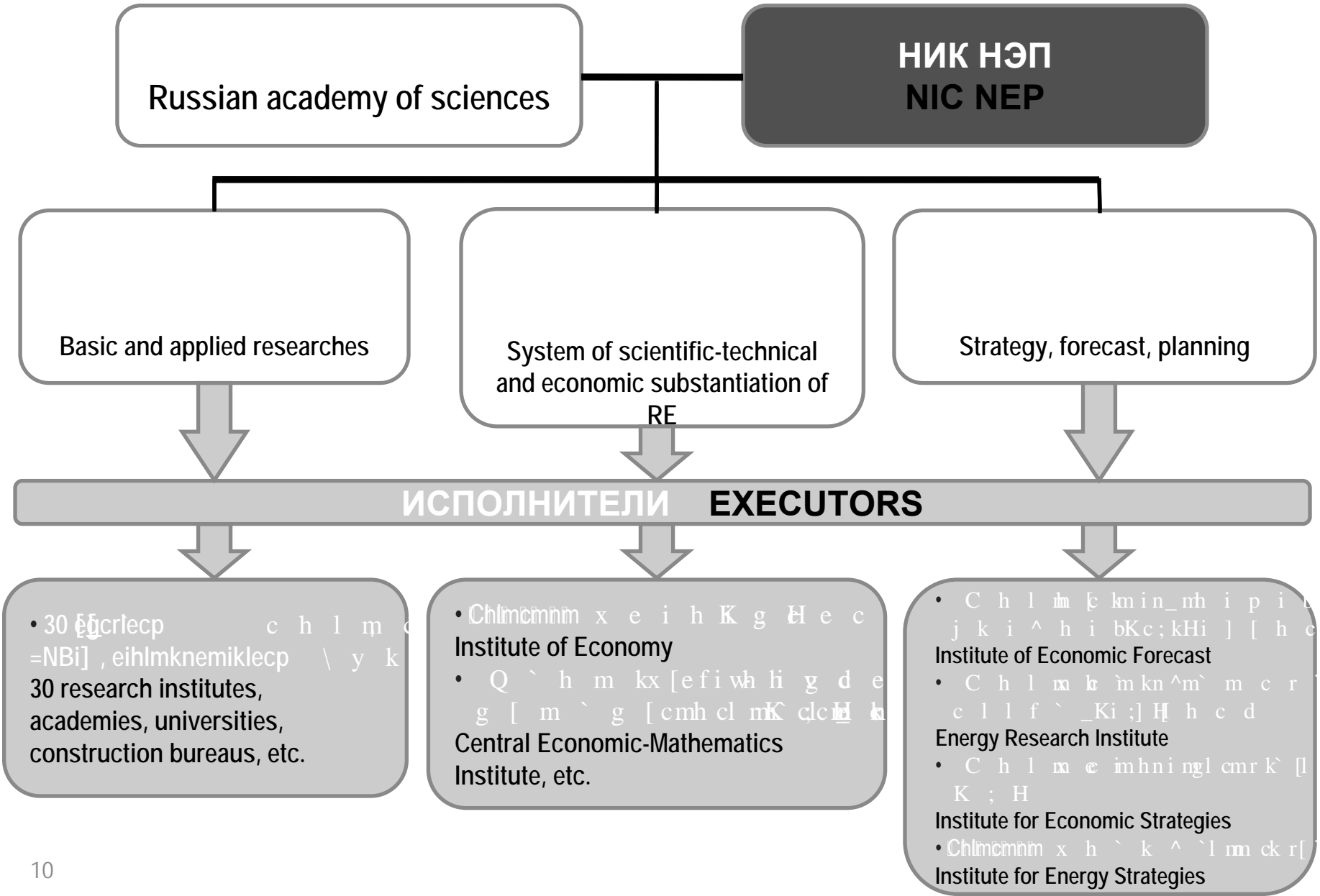
THE STRUCTURE OF PPP “MINISTRY OF INDUSTRY AND ENERGY – PRIVATE BUSINESS”



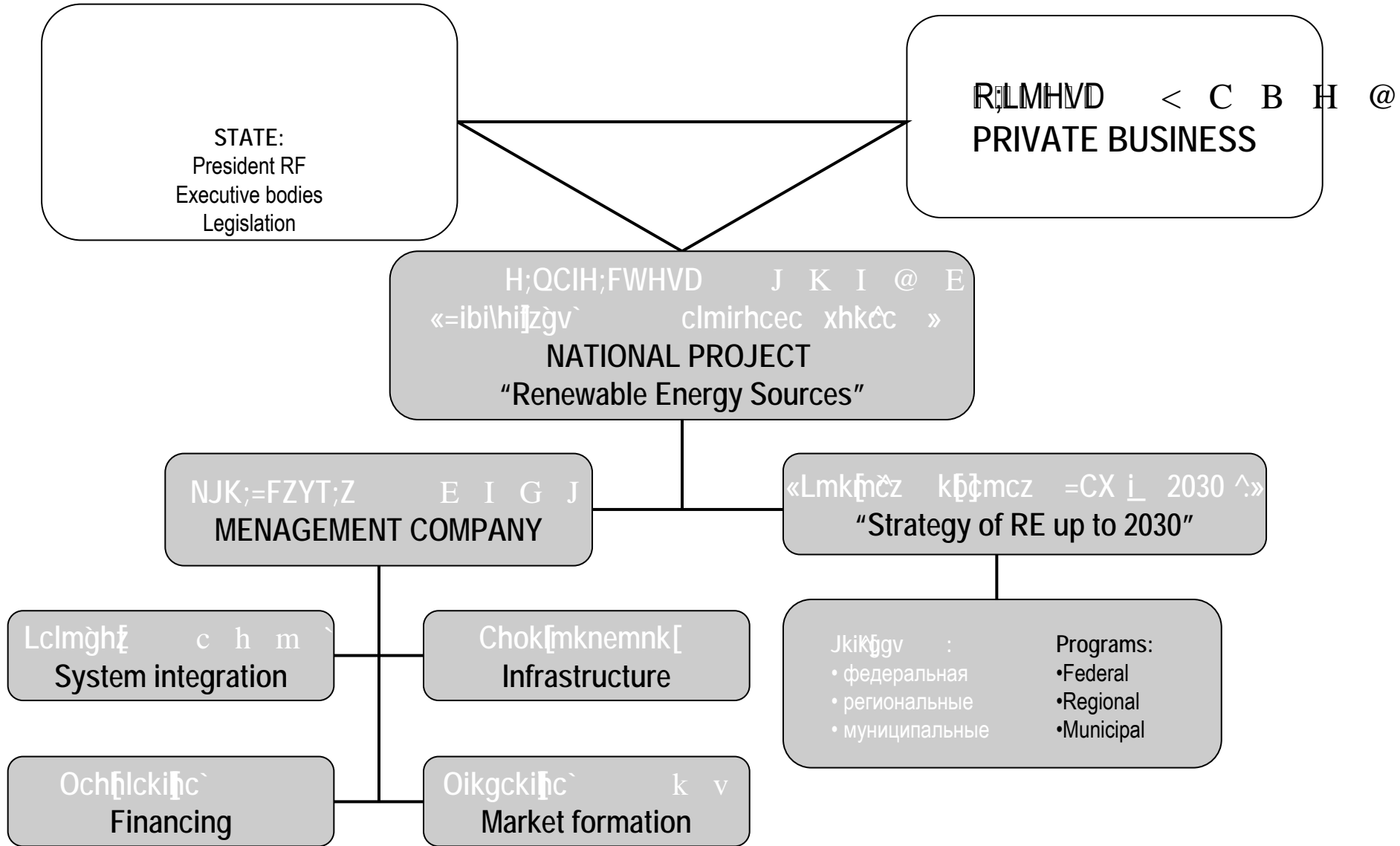
PPP "Ministry of Education and Science – NIC NEP"



PPP scheme for "RAS – NIC NEP"



PPP AND NATIONAL PROJECT "RENEWABLE ENERGY SOURCES"



- J ` k ` infikihid_ e fwmkh[mchid xhk^nce` z]zmlz j]itd g c k i] mhhcd] XXI] ; [fz ` Killcc -] [a n]fi]g ch]i]hhi^ k]b]mccz lmk]hv .
- Jk]hvg jkcrch] Killcz jie[h` jkiz]zm g]sm]hid emc]ilmc] k]b]mcc =CX , pimz k]jif]n]ifwscg m]phcrlecg c xeihigcrlecg jimh]o]ig k [b f]i] =CX. h v p
- = Killcc mifwei h]fch]n lef]v]nw]z lclm]g[>RJ , eimiki` z]zmlz i]u]emc]hvg , h]l]pic]vg c i]zb]f]w]hvg n]fi]g k]b]mcc =CX.
- X o o ` e >RJ] K]ll]dc i]b]l]cm]n]j]f]cm]r]e]id j]f]c knei]l]m] lmk]hv , onhec]h]whi lmknemnkck]i]hid c]j]k]cc]gr]c]d e chhi]z]g «]k]m]ce]c]l]m]c » h[]p nk]i]z]p , [m]e]a` im k]i]h]whi ikchmck]i]h]vp ch]c]o]m]c] r]m]hi]h^]cb]h]i]]
- I m h i] k]b]m]c]yl z]CX] Killcc j]l]fi]g : «Kn]l]ec` i]f]h^ b]k]z]m , []v]l]m]ki]n]m »?

- Conversion from hydrocarbon to alternative energy is a global world tendency in XXI century, and for Russia - it is an important condition of innovation development of the country.
- On different grounds Russia does not display much activity in RES development although disposes large technical and economic potential of different types of RES.
- Public and Private Partnership system is just being formed in Russia which is estimated as an objective and mandatory condition of RES development.
- Public and Private Partnership efficiency in Russia depends on political will of leaders, on functionally structured and susceptible to innovations «vertical of power» at all levels, as well as on rationally oriented initiatives of private business.
- Can one relate the proverb - «The Russians harness long while but ride fast» - to RES development in Russia?

Спасибо за внимание!

Thank You for Your Attention!