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## **Industry Session**

### China's most promising cooperation areas

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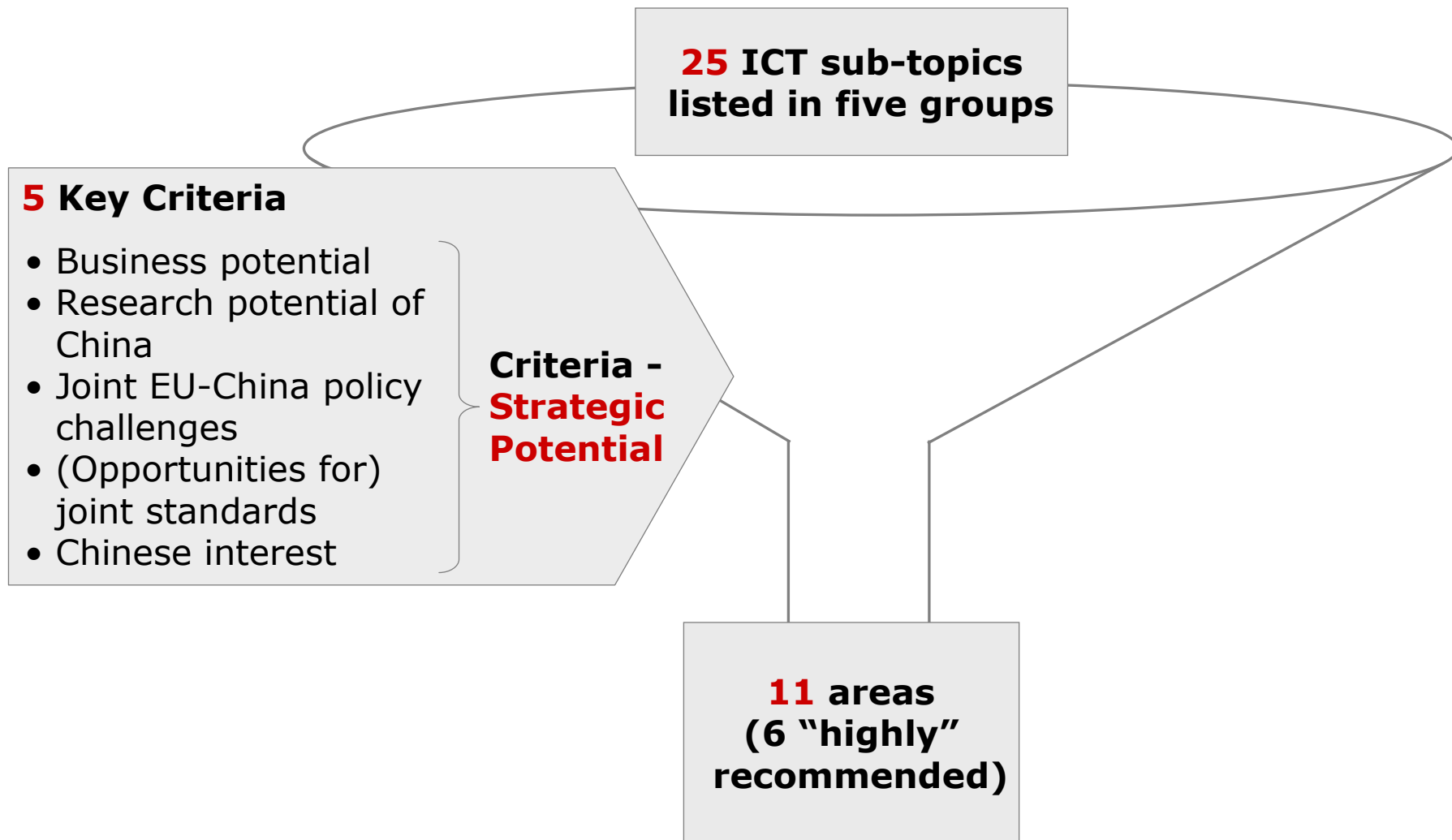
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## Approach



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## China's most promising cooperation areas

Area	Aspects
<b>1. Electrical Engineering &amp; Electronics – Nanotechnology</b> (highly recommended)	<ul style="list-style-type: none"><li>• An area that is <b>high on China's policy agenda</b>, since it will be a <b>priority topic</b> area for international cooperation of the People's Republic until 2020</li><li>• Interesting area for <b>joint research</b> in selected nano-sub areas, e.g. medical fields, where <b>RMB 620m funds</b> are scheduled for 2006-2010 by the Chinese government</li><li>• <b>Business potential</b> is estimated to be rather high</li></ul>
<b>2. Information Processing, Information Systems - IT Security</b> (highly recommended)	<ul style="list-style-type: none"><li>• IT security market in China is expected to <b>grow about 20% annually</b> → high business potential due to the driving need for the society and companies to implement IT security solutions and the government's leading and promotional position</li><li>• At <b>policy level</b>, IT security for <b>core sciences</b> is a declared a development priority in China in the time period from 2006 to 2020</li><li>• Potentially very interesting, but also <b>politically sensitive</b> in any <b>cross-border R&amp;D</b> cooperation</li></ul>

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<p><b>3. General Informatics</b> (highly recommended)</p>	<ul style="list-style-type: none"><li>• Interesting <b>anchor point</b> for <b>accessing the Chinese markets</b> (especially in the area of standard software), but huge challenges are expected</li><li>• At <b>policy</b> level, especially <b>software for modern industry development</b>, e.g. finance, logistics, e-education, tourism, e-government, e-business is a core business of the Chinese information industry and a development priority in '06-'20</li><li>• <b>International R&amp;D centers</b> between multinational companies &amp; Chinese players have been set up</li></ul>
<p><b>4. Communication Technologies - Radio Frequency Identification (RFID)</b> (highly recommended)</p>	<ul style="list-style-type: none"><li>• China is the <b>world's largest RFID</b> market by value and is actively promoting R&amp;D in RFID</li><li>• <b>Sensor networks</b> (e.g. RFID) &amp; intelligent information processing are <b>development priority</b> in '06-'20</li><li>• <b>Strong interest</b> in cooperation from <b>both sides</b> and wide range of co-operation opportunities from standards to interoperability, but also global value chain showcases (e.g. in logistics) and joint international research cooperation on selected topics</li></ul>

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<b>5. Mobile &amp; wireless communication technologies</b> (highly recommended)	<ul style="list-style-type: none"><li>• <b>Largest Market world wide</b> and <b>strong interest from the EU</b> side, e.g. on large-scale testbeds</li><li>• <b>Joint research</b> and standards appear as a good <b>starting point</b> for further cooperation in the market</li><li>• Topics in China are <b>New Generation Reliable Network</b> and <b>New Generation Broadband Wireless</b> Communication as areas for international cooperation from 2006-2010</li><li>• Key technologies and services for <b>next generation networks</b> is a development priority in the time period from 2006 to 2020</li></ul>
<b>6. Distributed systems</b> (highly recommended)	<ul style="list-style-type: none"><li>• Especially <b>Grid technologies</b> are a promising area</li><li>• There has been <b>good co-operation already</b> in the past on the basis of EU calls in IST</li><li>• <b>Chinese government</b> is significantly <b>supporting Grid projects</b> financially as well as politically. Grid is an area for international cooperation in the People's Republic from 2006-2010</li></ul>

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<b>7. Telecommunication</b> (also recommended)	<ul style="list-style-type: none"><li>• Telecommunication (i.e. wireline telecom) is still a <b>growing market</b> in China</li><li>• Although the government is supporting R&amp;D in telecommunication and encourages domestic research institutes/universities and industry players to focus on R&amp;D; the <b>R&amp;D potential is still rather unclear</b></li><li>• Joint research and standards can be a <b>good starting point</b> for further <b>cooperation in the market</b></li></ul>
<b>8. ICT for Energy Efficiency</b> (also recommended)	<ul style="list-style-type: none"><li>• Good collaboration opportunities based on the fact that this field really responds to a <b>joint EU-China challenge</b> → With implementation of energy-saving and energy efficiency as a major task in the 11th Five-Year plan (2006-2010), this area is strongly supported (and regulated) by the Chinese government</li><li>• The field will <b>remain a major challenge</b> in the EU and China for at least a decade and collaboration could also open markets for EU players</li></ul>

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<b>9. Embedded Systems &amp; real-time systems</b> (also recommended)	<ul style="list-style-type: none"><li>• This field is <b>rapidly developing in China</b>; growth rates of up to <b>30% p.a.</b> for the embedded market are predicted</li><li>• Co-operation should be examined closely in areas with high growth rates such as <b>automotive embedded systems</b> or <b>consumer electronics</b>, e.g. in tools for embedded systems</li></ul>
<b>10. Microelectronics &amp; integrated circuits</b> (also recommended)	<ul style="list-style-type: none"><li>• High potential only <b>in selected areas</b></li><li>• At policy level, <b>high performance CPU &amp; computer</b>, large scale integrated circuit design and manufacture are areas for international cooperation in the period from 2006 to 2010 in China</li><li>• High efficient and reliable computers and high resolution LCD are development priorities in the time period from 2006 to 2020</li><li>• The Chinese government is encouraging enterprises and research bodies to <b>participate in R&amp;D in internationally</b> oriented joint projects to establish an international position</li></ul>

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<p><b>11. Medical informatics</b> (also recommended)</p>	<ul style="list-style-type: none"><li>• It is expected that <b>China will become the world's second largest medical market</b> in the next five to ten years</li><li>• <b>Joint policy challenges</b> in this area such as <b>increasing costs of healthcare, ageing population</b>, and ICT for people with disabilities exist</li><li>• Cooperation in more <b>application oriented areas</b> seems promising as this topic is gaining more and more importance in China</li></ul>

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