



International
Cancer
Expert Corps

Partnering to transform global cancer care

International Cancer Expert Corps, Inc

Closing comments for STFC meeting, Manchester UK

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Program Overview

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International Cancer Expert Corps

(Official Outside Activity and also working to enhance efforts of NCI and NIH)

- No financial conflict of interest.
- **Views expressed are those of the presenter.**
- No endorsement by NCI, NIH, ASPR, DHHS or any other U.S. Government agencies has been given or inferred.



Keep the Patient at the Center



“So, as you can see, health care is so complicated you may never get well.”



It Takes a System to Improve Cancer Care

ICEC envisions a world in which everyone has access to interventions to prevent and treat cancer and its symptoms using high-quality best practices for the local circumstances.





ICEC Expert Corps

A broad spectrum of expertise for complex systems solution

Medical

- Radiation oncologists
- Medical oncologists
- Pediatric oncologists
- Surgical oncologists
- Nurses
- Pathologists
- Radiologists
- Surgeons - general
- Surgical subspecialists
- Pharmacologists
- Psychologists
- Public health

Science, non-MD

- Prevention and screening
- Epidemiologists
- Medical physicists
- Technologists
- Basic & translational scientists
- Treatment guidelines
- Statisticians
- Social scientists
- Regulatory Affairs specialists
- Pharmacists

Support

- Educational tools
- Finance
- Clinic administration
- International policy
- Patient advocacy
- Economists
- Social workers
- Communications
- Cancer survivors
- Information tech (IT)
- Data-management
- Legal



ICEC Expert Corps

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- Radiation oncologists
- Medic
- Pediat
- Surgic
- Nurse
- Pathol
- Radiol
- Surgeo
- Surgic
- Pharm
- Psych
- Public

Science, non-MD

- Prevention and screening

Support

- Educational tools

ICEC is all of us.

It is people from around the globe interested in helping address the inequality of cancer care and do so as a true partnership (in the CERN model). ICEC's goal is team to develop the structure, procedures and metrics and help garner resources to create solutions up to the size and scope of the challenge.

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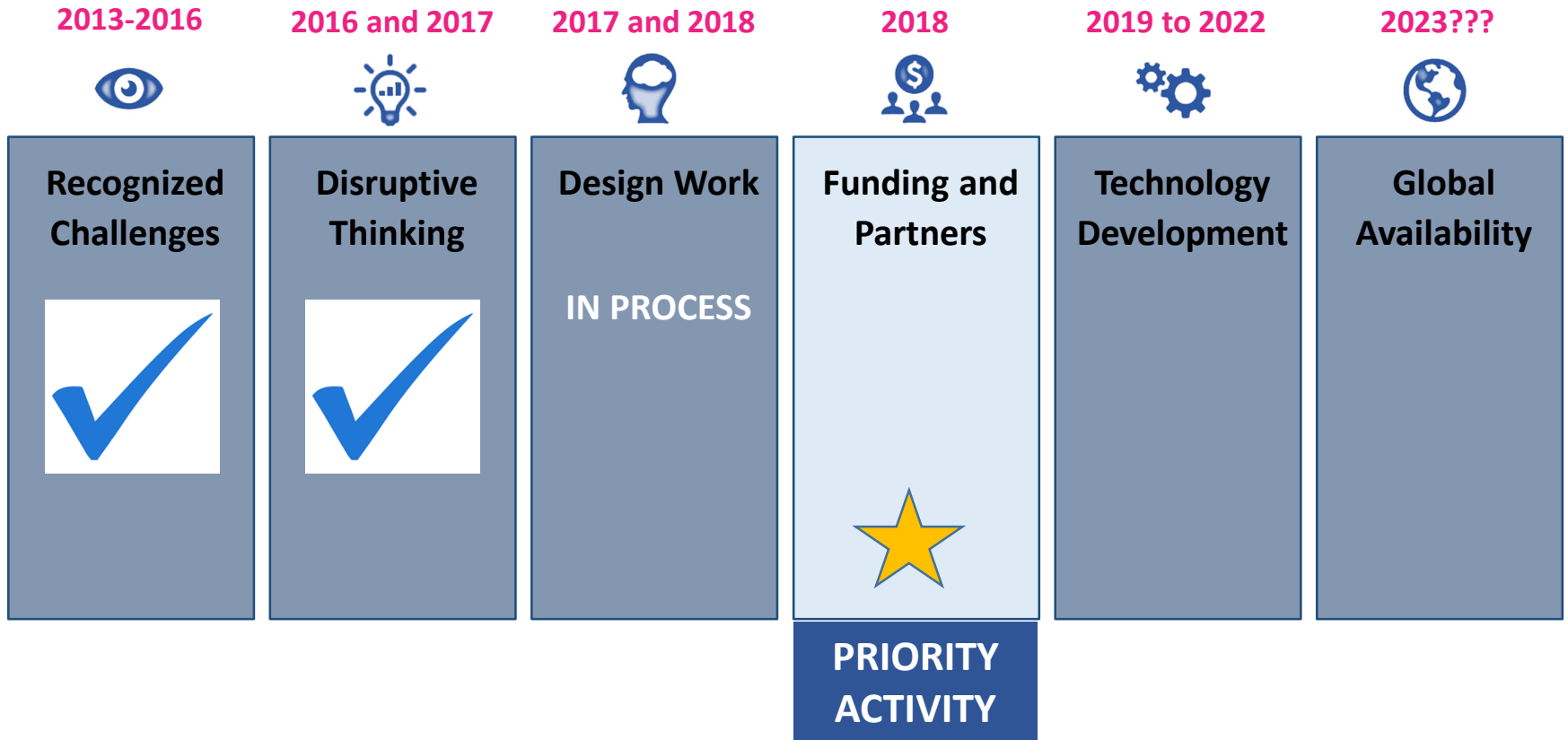


Addressing the Technology Challenge

- Access to radiation therapy, a core component of cancer care, is extremely limited or not available in most LMICs
- Solutions are challenging and have to address cost, radiation safety, environmental and personnel issues
- ICEC expanded its goals to include a commitment to addressing the technology gap – which served as the impetus for this effort
- This ICEC goal, as an NGO, is well aligned with the mission and expertise of CERN and STFC
- Others invited to join this effort

Novel Linac Progress Timeline

New Technology Development to Improve Access and Cancer Care





What's Next to Accomplish TODAY

- Continue expansion of the mentorship network through twinning relationships and global partnerships
 - 19 pairings of Hubs and ICEC Centers (LMIC/ODA Countries, Indigenous pops.)
- Strengthen Education and Training
 - Collaboration, partnership and wise use of talent (e.g. IAEA, MPWB, Radiating Hope, etc.)
 - Partnership with ChartRounds in discussion
 - TELESYNERGY telemedicine (NCI, IT)
 - 2D- to- 3D transition curriculum
 - Linac service and maintenance training

Continue to
Improve Access
and Care Today
in LMICs/ODA
Countries



What's Next to Accomplish TOMORROW

- Further the development of innovative and more affordable enabling technology that is disruptive, catalytic, and offers the opportunity for reverse innovation
 - Progress on specifications for linac opportunities STFC, CERN, DOE, etc.
 - Technology development to incorporate a “social business model” with affordable technology and profits supporting global cancer care improvement goals for LMICs



**“It always seems impossible
until it's done.”**

Nelson Mandela

Thank You to the Participants for your work to improve cancer care

“If you want to go fast, go alone...
...if you want to go far, go together.”

~ African Proverb