



U.S. National Science Foundation
Accelerating Research Translation

NSF Accelerating Research Translation (NSF ART) 2025

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- ART program
 - The Big Picture, Erwin Gianchandani, NSF assistant director for Technology, Innovation and Partnerships (NSF TIP)
- Goals and vision
- What does ART support?
- Research translation readiness levels (RTRL)
- Program structure & funding
- Eligibility & review criteria
- Become a reviewer
- Proposal(s) should be submitted in accordance with the solicitation, latest NSF Proposal & Award Policies & Procedures Guide (PAPPG) and other guidance available on NSF website.



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NSF ART Program



Vision

- Greatly expand the capacity for and scale of research translation and technology transfer at IHE's across United States.
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Goals

- Enable and catalyze accelerate research translation across all disciplines.
- Develop resources to effectively train students, post doctoral researchers, and faculty in entrepreneurship, technology transfer and other activities that ultimately stimulate economic growth and enhance our competitiveness.
- Train individuals to engage with a wide range of career opportunities.

Catalyzing Research Translation

Today

- Research translation – driven by highly motivated individual faculty.
- Requires institutional infrastructure and support – not available everywhere.
- Low levels of translation activity outside a few IHEs.
- “Disconnected islands of translation”

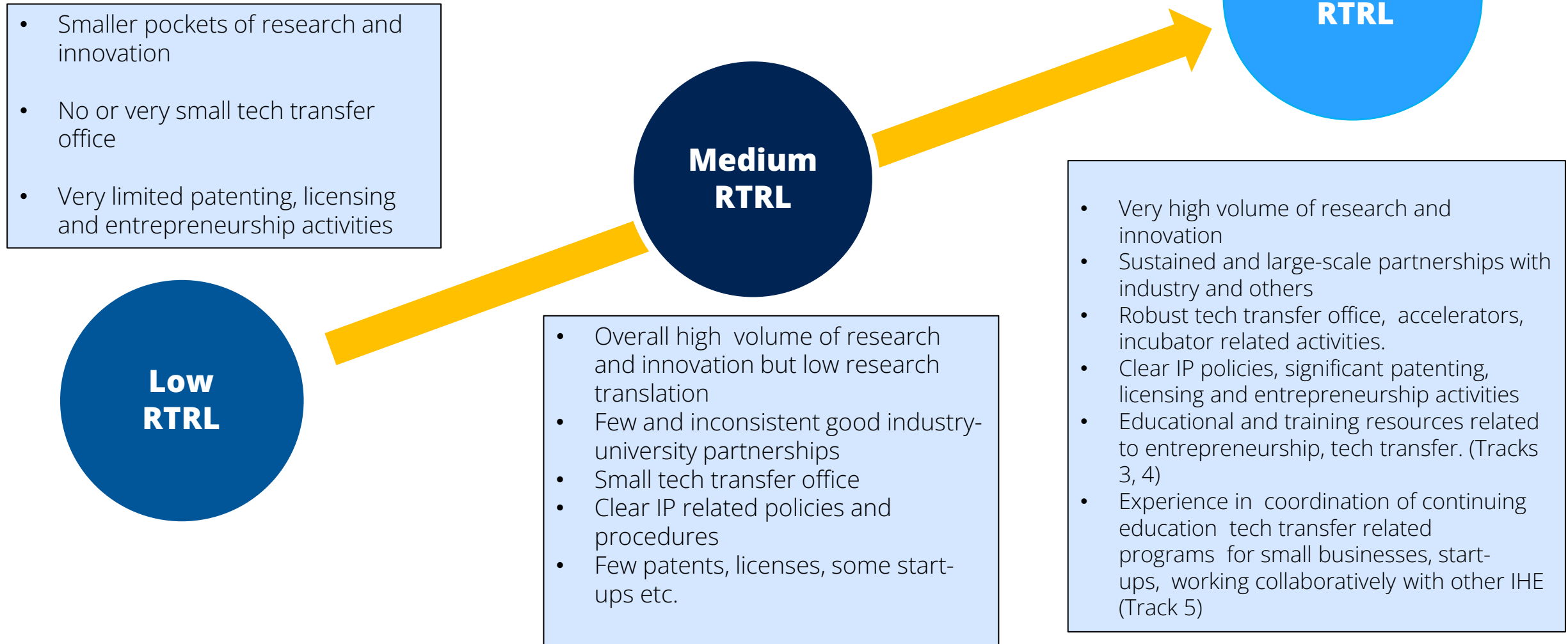
With ART

- Research translation as a natural organic next step for foundational research.
- Build and grow Institutional capacity and associated infrastructure.
- High levels of research translation outcomes everywhere in the long term.
- “Interconnected community of translation practitioners”

Research Translation Readiness Level

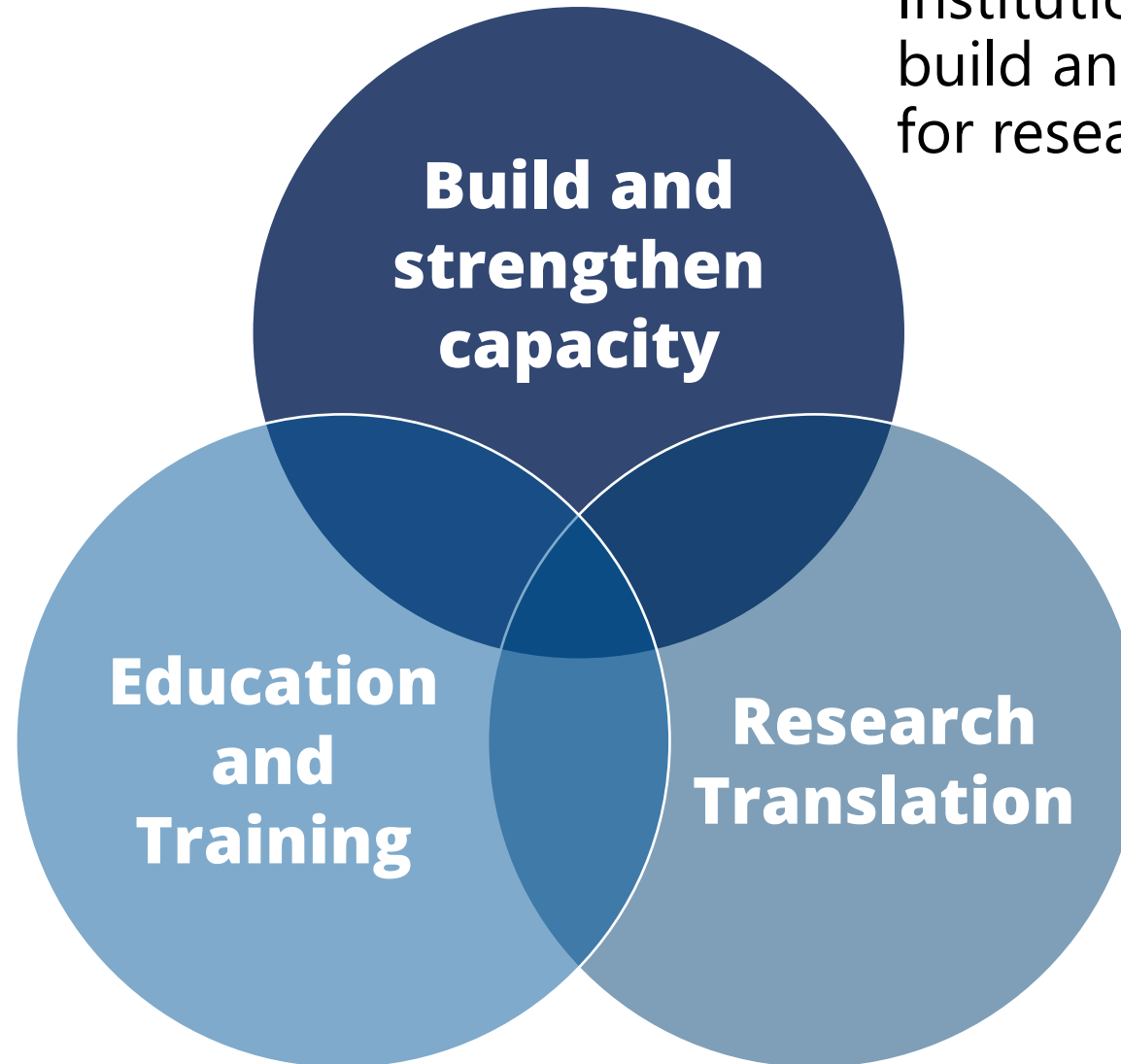


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What Does ART Support?

Learn-by-action:
faculty, students
and postdoctoral
fellows



Institutional infrastructure to
build and sustain capacity
for research translation.

Specific seed projects to
exercise translational
research processes,
policies and pathways
within IHE.

- Anticipated type of award: standard grant, continuing grant or cooperative agreement.
- Up to \$175 million anticipated overall funding amount.
- Up to 40 awards total (subject to availability of funds and quality of proposals received):
 - Track 1 (ACT): up to 20 awards
 - Track 2 (GROW): up to 10 awards
 - Track 3 (RESOURCE): up to 5 awards
 - Track 4 (ET): up to 4 awards
 - Track 5 (CART): up to 2 awards

Accelerating Technology Transfer

- Aimed at IHEs with a low to medium level of overall research and can demonstrate potential for identifying and acting on opportunities for economic benefits by starting to build capacity for innovation translation.
- The proposal must be led by and focused on outcomes of one IHE.
- Each Track 1 award is expected to be up to a total of \$3 million for 3 years.

Growing Capacity for Research Translation

- Aimed at IHEs with a high level of research, with high potential and desire to substantially elevate the overall level of research translation.
- Each Track 2 award may be budgeted for up to a total of \$6 million for 4 years.

Technology Transfer Resource Centers

- Goal: Launch a network of regional Technology Transfer Resource Centers (RESOURCE) serving multiple IHEs in a region.
- Aimed at IHEs or non-profits with strong research translation capacity/experience and desire to grow regional technology transfer and mentor other IHEs.
- Each Track 3 award is expected to be up to a total of \$8 million for 4 years.

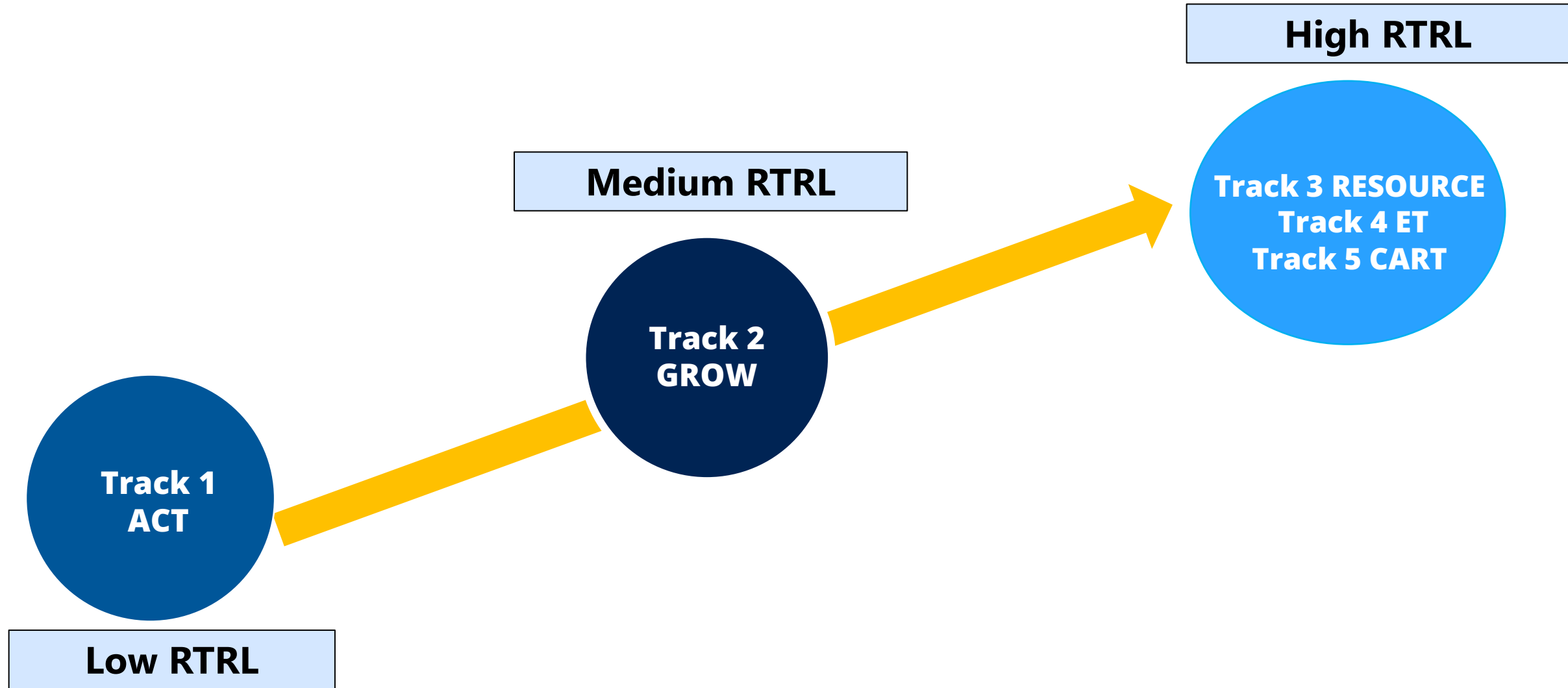
Education and Training

- Goal: Development of resources for education and training in research translation, entrepreneurship, startup formation, commercialization, industry collaboration, product development and engaged scholarship.
- Aimed at IHEs or non-profits with a strong research translation ecosystem and/or demonstrated experience in entrepreneurial education and training, product development, technology transfer and industry partnerships.
- Each Track 4 award is expected to be up to a total of \$3 million for 3 years.

Coordinating Accelerating Research Translation

- Goal: Support the creation of a unifying center that facilitates and coordinates an integrated platform for coordinating, evaluating and monitoring the progress of Track 1 and Track 2 teams.
- Aimed at IHEs or non-profits with a strong research translation ecosystem and/or demonstrated experience in entrepreneurial education and training, product development, technology transfer and industry partnerships.
- The Track 5 CART awards are expected to be up to a total of \$3 million for 5 years.

Research Translation Readiness Level



Who can submit proposals?

- Track 1 and 2 - IHEs
- Track 3, 4 and 5 - IHEs or Non-profits

Who may serve on the proposal team?

- It is expected that the PI is a member of senior leadership team at the proposing organization.
- A representative of technology transfer office or equivalent is strongly encouraged to be at least a Co-PI.
- The PI, Co-PIs, or any other senior/key personnel must hold an appointment at an organization that is eligible to submit as described under "Who May Submit Proposals".

There is a limit on the number of proposals that each organization can submit.

- An eligible IHE can submit a maximum of one proposal for Track 1 or 2 (but not both).
- For Tracks 3, 4, and 5, an eligible organization can submit a maximum of one proposal per Track.
- Applicants for Track 1 and 2 are NOT eligible to submit proposal to Track 3, 4, and 5 and vice versa.

In general, proposals should clearly address:

- Vision, goals and strategy
- Opportunities and gaps
- Outcomes
- Sustainability plan
- Evaluation plan
- Timeline of activities

Supplementary documents are needed. Please see the solicitation for details.

- **Tracks 1 (ACT) and 2 (GROW)** : Does the proposal clearly define as to how the IHE will increase its RTRL over the course of the award and then sustain and grow beyond the award duration?
- **Track 3 (RESOURCE)** : Does the proposal present a compelling case that the lead organization will help boost the capacity for research translation for other low RTRL IHEs and within the region with a clear plans for its sustainability.

- **Track 4 (ET)** : A clear plan for developing and disseminating education and training material for undergraduate, graduate students, postdoctoral researchers, and faculty around research translation and entrepreneurship.
- **For Track 5 (CART)** : Capability and plan of lead organization in creating a coordinated activities in areas related to entrepreneurship, technology transfer, development of educational and training resources for Track 1, 2, 3 and 4.

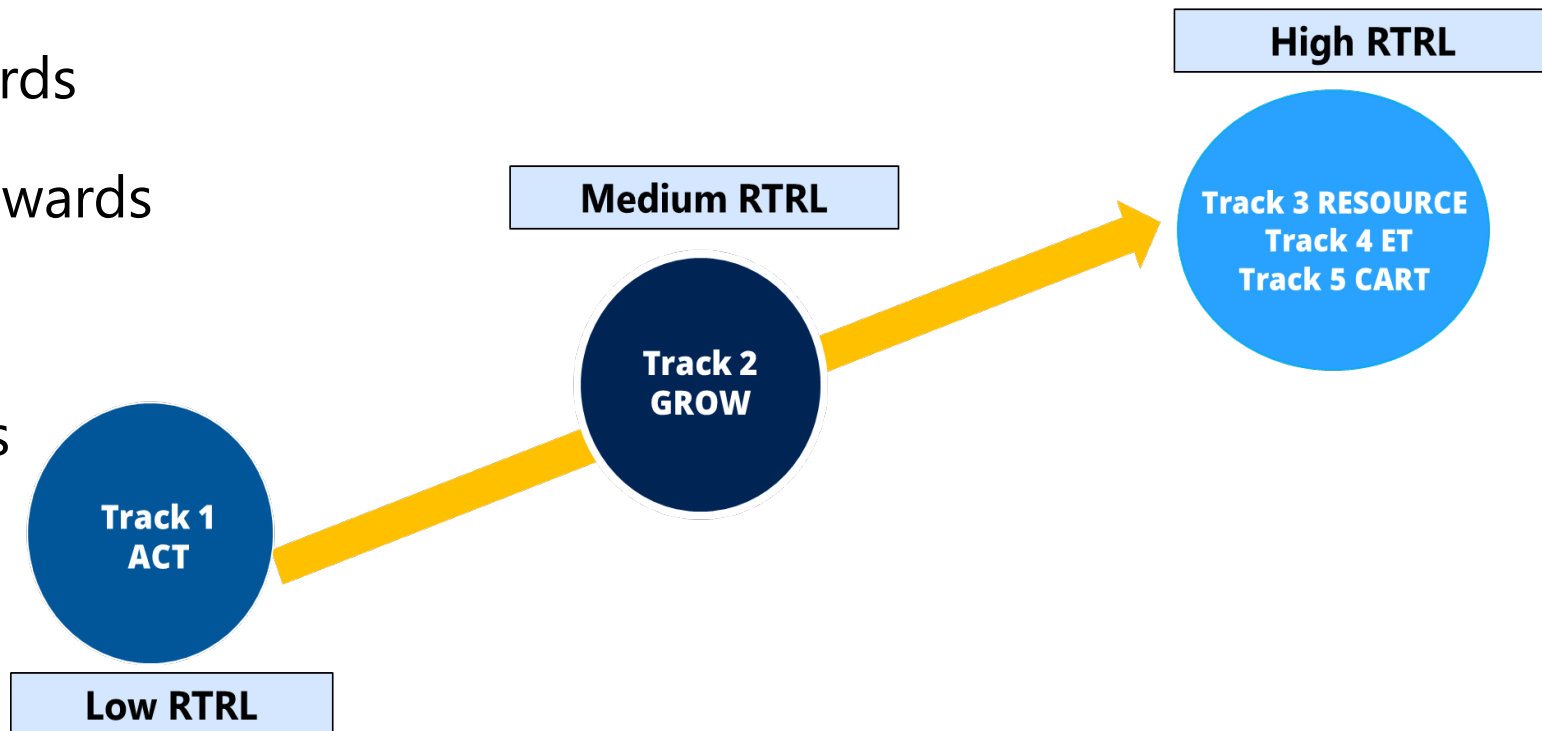
Additional solicitation specific review criteria for ALL tracks

- Does the lead organization and the overall proposal show a strong alignment with the intent of the track to which it is submitted?
- The NSF ART program will support only those proposals that show a clear and strong alignment with the goals of the track to which they are submitted.

Please read the solicitation closely for specific review criteria for individual tracks.

ART Program Details

- Up to 40 awards total (subject to availability of funds and quality of proposals received):
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