

**Agricultural Research Service
Office of Technology Transfer**

Technology Transfer: Introduction

*Celebrating over 150 years serving every American
Every Day, Every Way*



Agricultural Research Service (ARS) Mission

**“Conduct research to develop
& transfer solutions to
agricultural problems of high
national priority and provide
information access and
dissemination”**

ARS research solves real problems, focusing on impact.

ARS Guiding Principles & Values

- **Provide leadership to solve critical national agricultural technical problems**
- **Develop and transfer high quality scientific research, technologies, and information**
- **Support long-term research to provide a foundation for problem solving and policy formulation**
- **Promote interdisciplinary research and systems approaches**
- **Respond to the needs of customers, stakeholders, and partners**
- **Promote integrity, ethical conduct, and public accountability in all of our activities**

Technology Transfer



SCIENCE IN YOUR SHOPPING CART



Some of the many ways, both familiar and surprising, that agricultural research touches and improves daily life in the United States



U.S. DEPARTMENT OF AGRICULTURE • AGRICULTURAL RESEARCH SERVICE

Program Aid 155B

“Research is only successful if the information and technologies developed are transferred to those who need them”.

Why Do Technology Transfer?

- **Facilitates adoption of research outcomes - greater impact**
- **Enhances economic development**
- **Supports and furthers ARS mission**
- **Required by Federal law**

Technology Transfer Principles

- Facilitate partnerships to allow adoption of research outcomes for **broad US public benefit**
- Protect intellectual property **only** if it enhances adoption of research outcomes, not income generation
- Enhance U.S. economic development, global competition, & sustainable economic security

Technology Transfer Mechanisms

- **Cooperative research**
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- **Patenting and licensing (ARS does not utilize trademarks, trade secrets, or copyrights)**
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- **Scientific publications and presentations**
- **Trade journals and newsletters**
- **Press releases and videos**
- **Demonstrations, field days, and workshops**
- **Public databases, websites, and germplasm**

**Technology
Transfer
Strategy**



**Adoption
Research
Outcome**

Technology Transfer Strategies

IP protection
needed

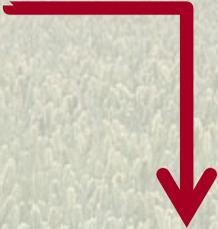
IP protection
not needed

**Exclusive
License**

**Non-
Exclusive
License**

**Public
Domain**

**Technology
Transfer
Strategy**

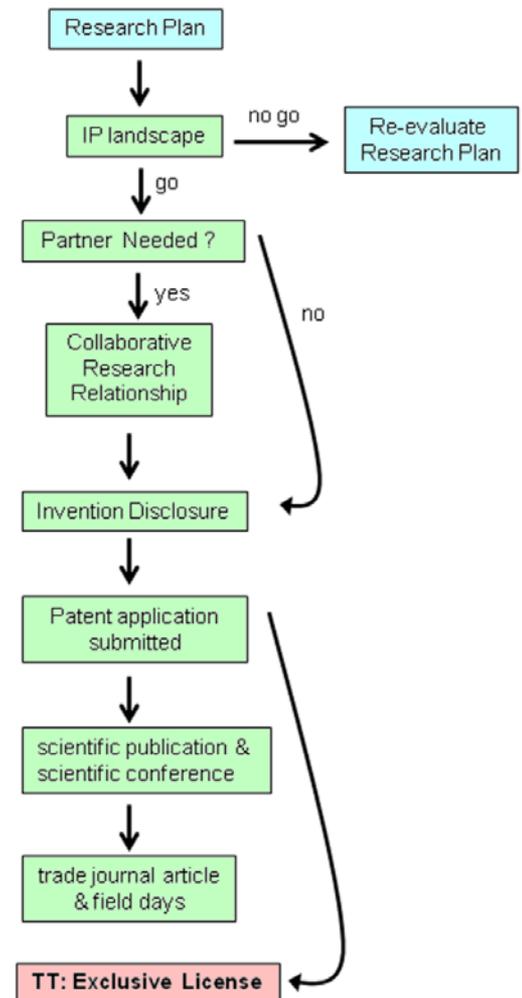
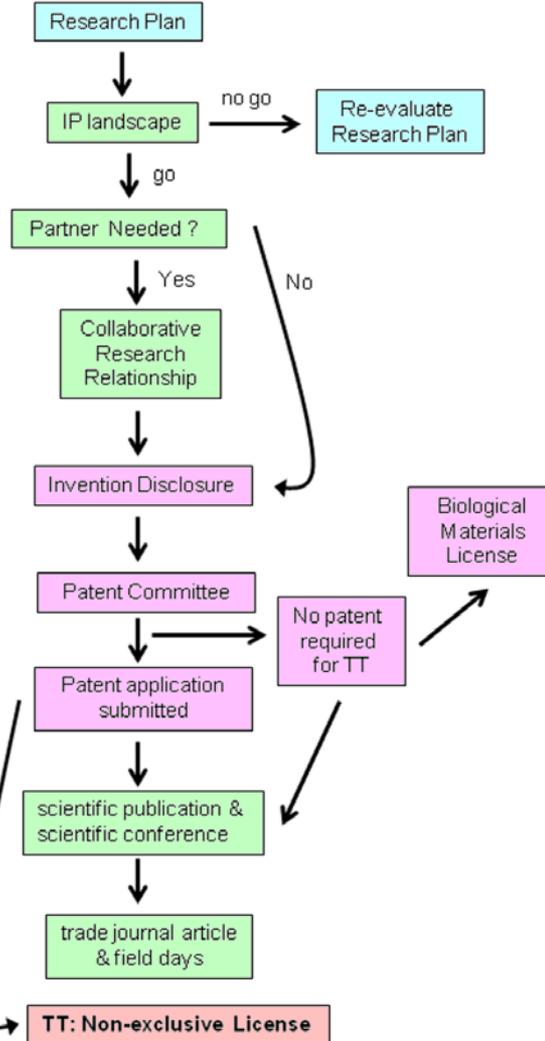
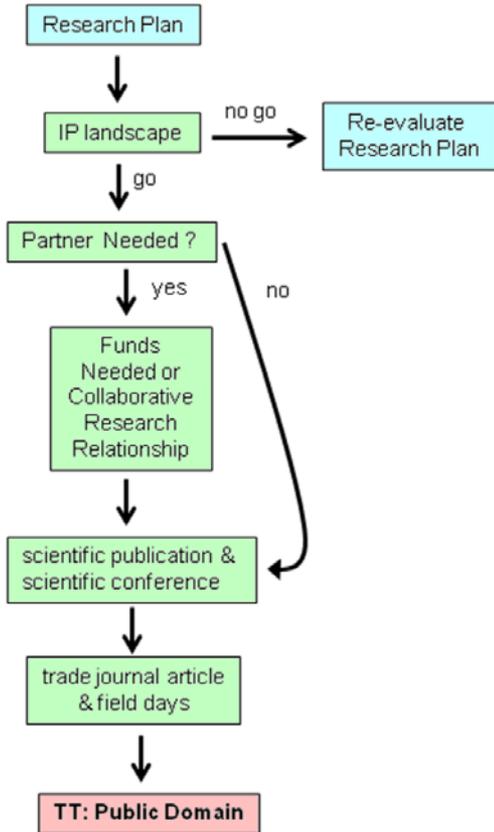


**Technology
Transfer
Tactical Plan**

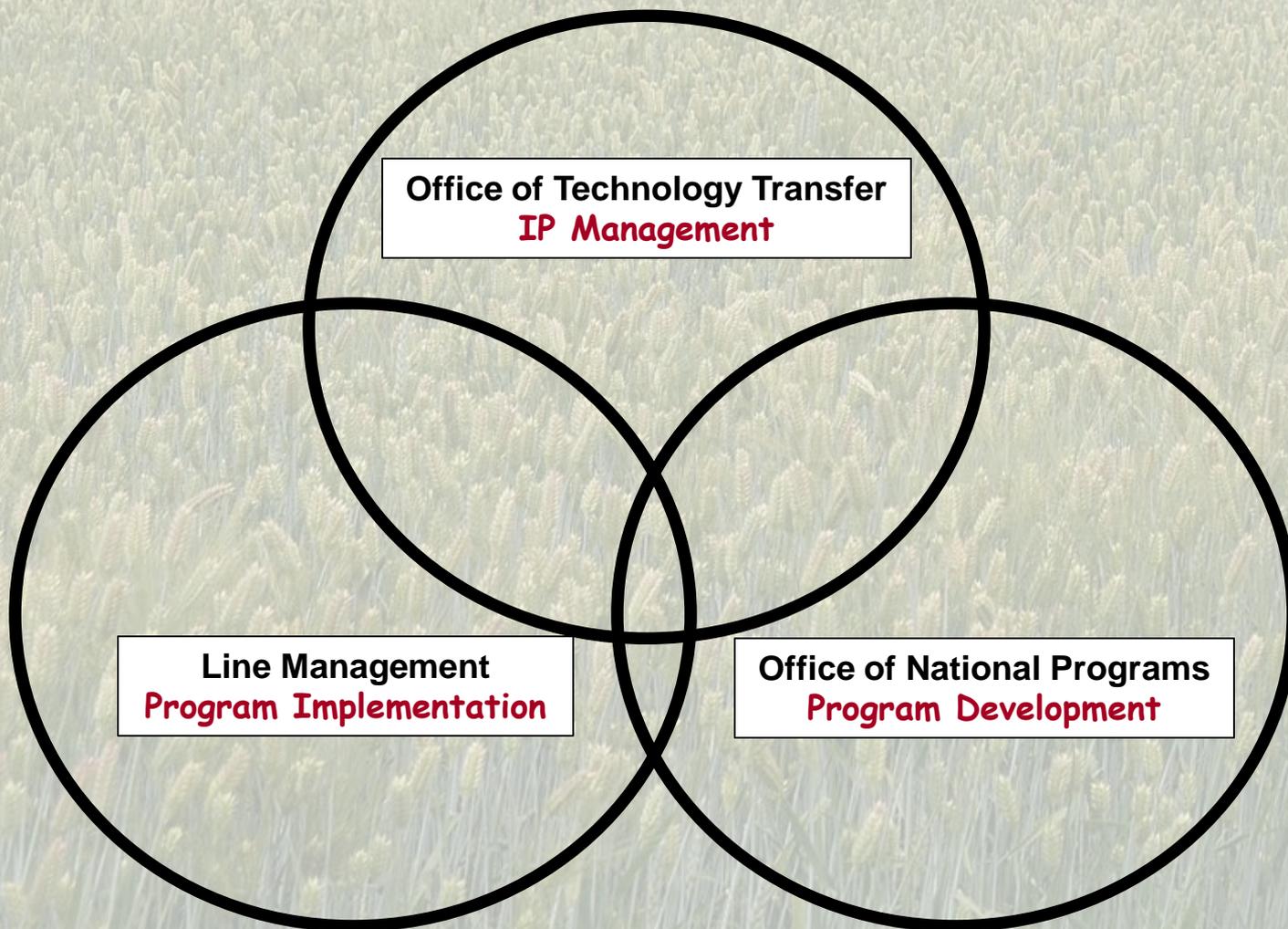


**Adoption
Research
Outcome**

Technology Transfer Tactical Plans



Scientists have a team to help develop a tech transfer strategy and tactic plan for their research



ARS Technology Transfer Program

Area Offices:

- **Coordinator and Support Staff**
- **Implement TT Policy & Procedures**

Office of Technology Transfer, Beltsville, MD:

- **Partnership, Patenting and Licensing Staff**
- **Develop TT Policy & Procedures**

OTT Partnership Section

- ✓ **Approve agreements that address IP concerns**
- ✓ **Support agreement development with the Area, EAD & OIRP**
- ✓ **Coordinates ARP Network**
- ✓ **Teams with ONP & Line Management to determine TT strategies**

OTT Patenting Section

- ✓ **Manages invention disclosure review process**
- ✓ **Prepares, files, & prosecutes U.S. patents**
- ✓ **Obtain research results to maximize patentability and quality of patent claims**

OTT Licensing Section

- ✓ **Manages license application, drafting & negotiation process**
- ✓ **Collects & distributes royalties**
- ✓ **Facilitates & directs foreign filings with contractor**
- ✓ **Obtain research results to maximize commercial partner success and the impact of research outcomes**

**Visit Office of Tech Transfer
website for contact information
for partnership, patenting and
licensing staff:**

www.ars.usda.gov/business

ARS Technology Transfer Program

Area Offices:

- **Coordinator and support staff**
- **First point of contact for scientists & companies**
- **Implements TT policy & procedures**
- **General TT advice & coordinate TT training**
- **Negotiate & implement research agreements**
- **Reviews reports & documents for IP management implications**

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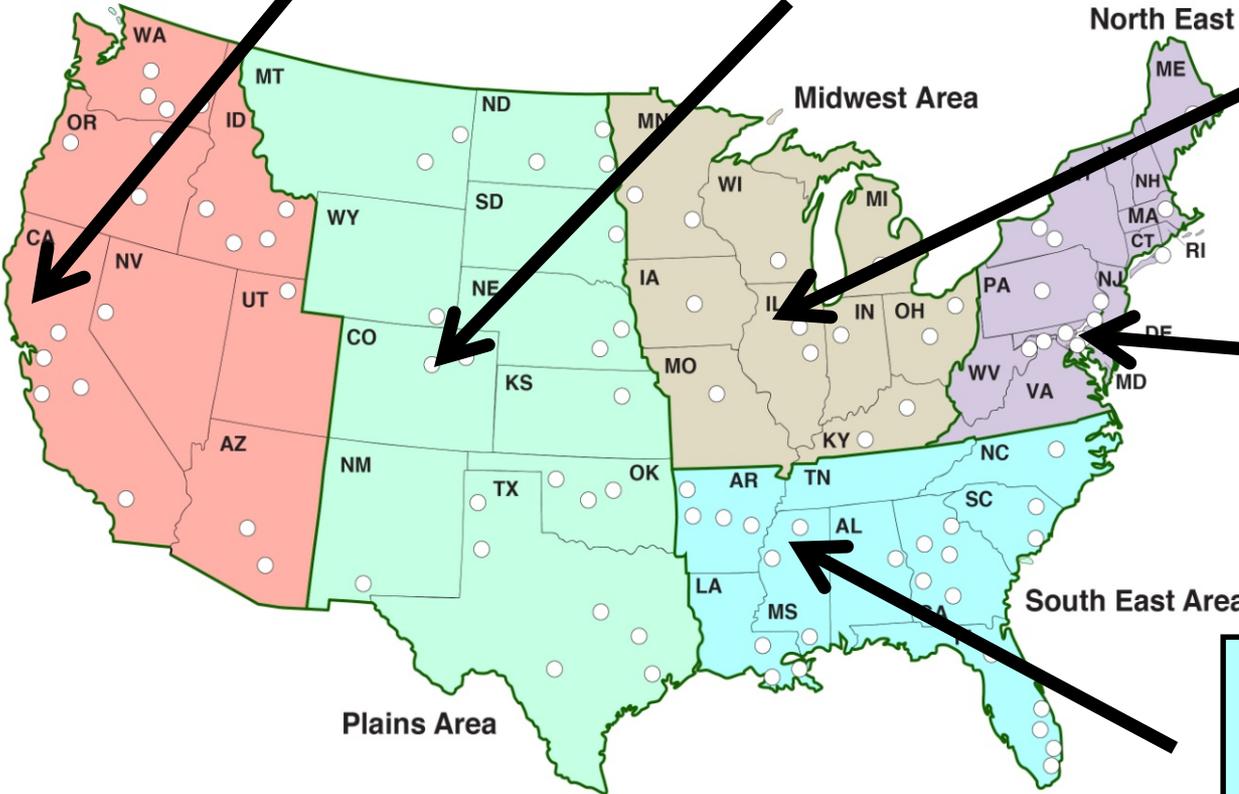
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Midwest Area



Plains Area

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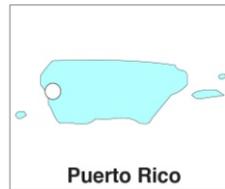
The bold lines reflect the boundaries of the ARS geographic Areas.



Alaska



Hawaii



Puerto Rico

Tech Transfer is a Team Effort



**OTT &
Area TT Office
are here to help**

Thank you!

To learn more about technology transfer in ARS:

<http://www.ars.usda.gov/business>