

Research and Scholarship 2012 Annual Report

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EXECUTIVE SUMMARY

- U-M remains one of the world's premier research universities.
- Federally sponsored research is likely to decline.
- We are taking steps to anticipate and adapt to these changes.
- We must work to sustain and enhance the federal investment in university research.

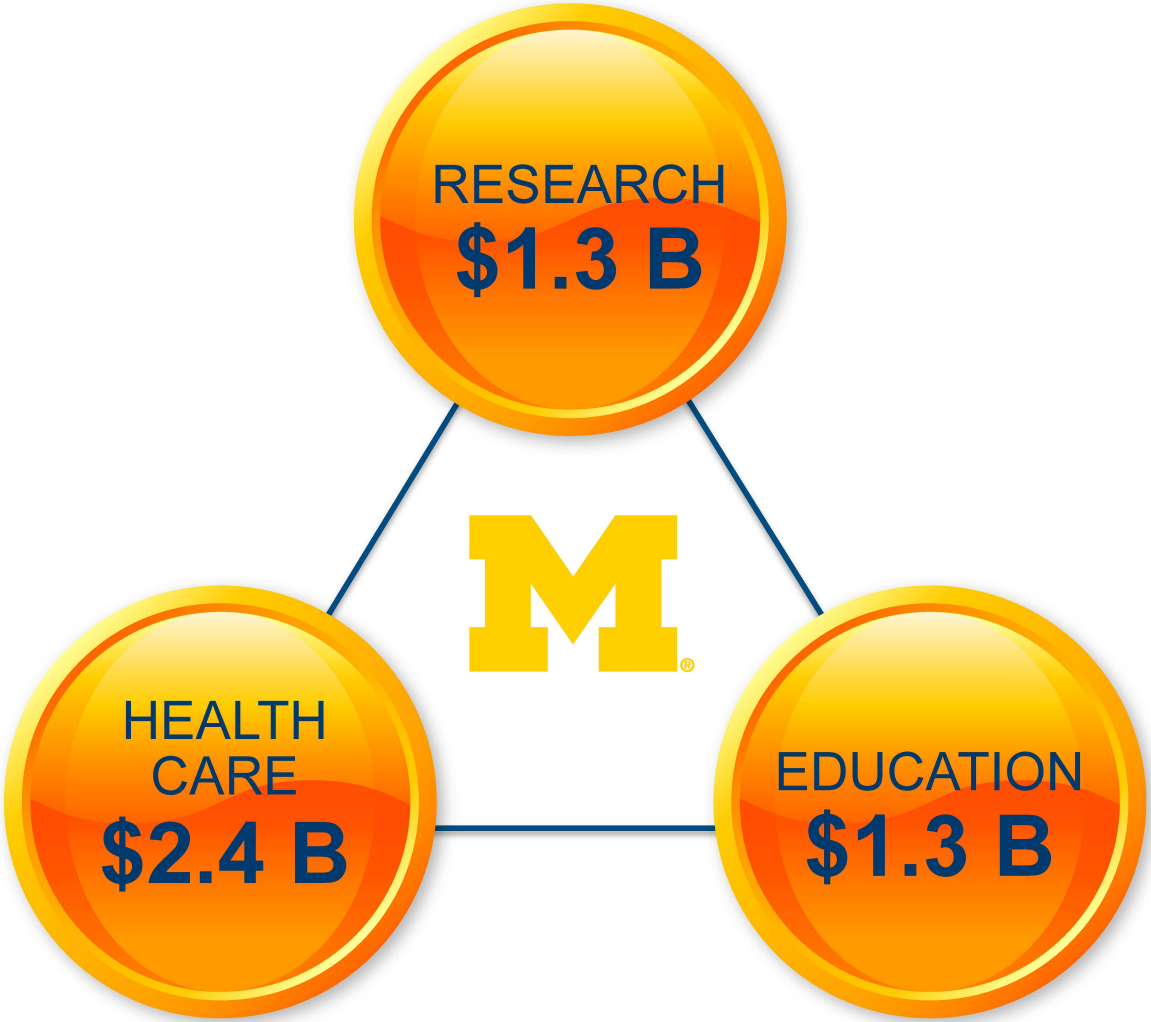


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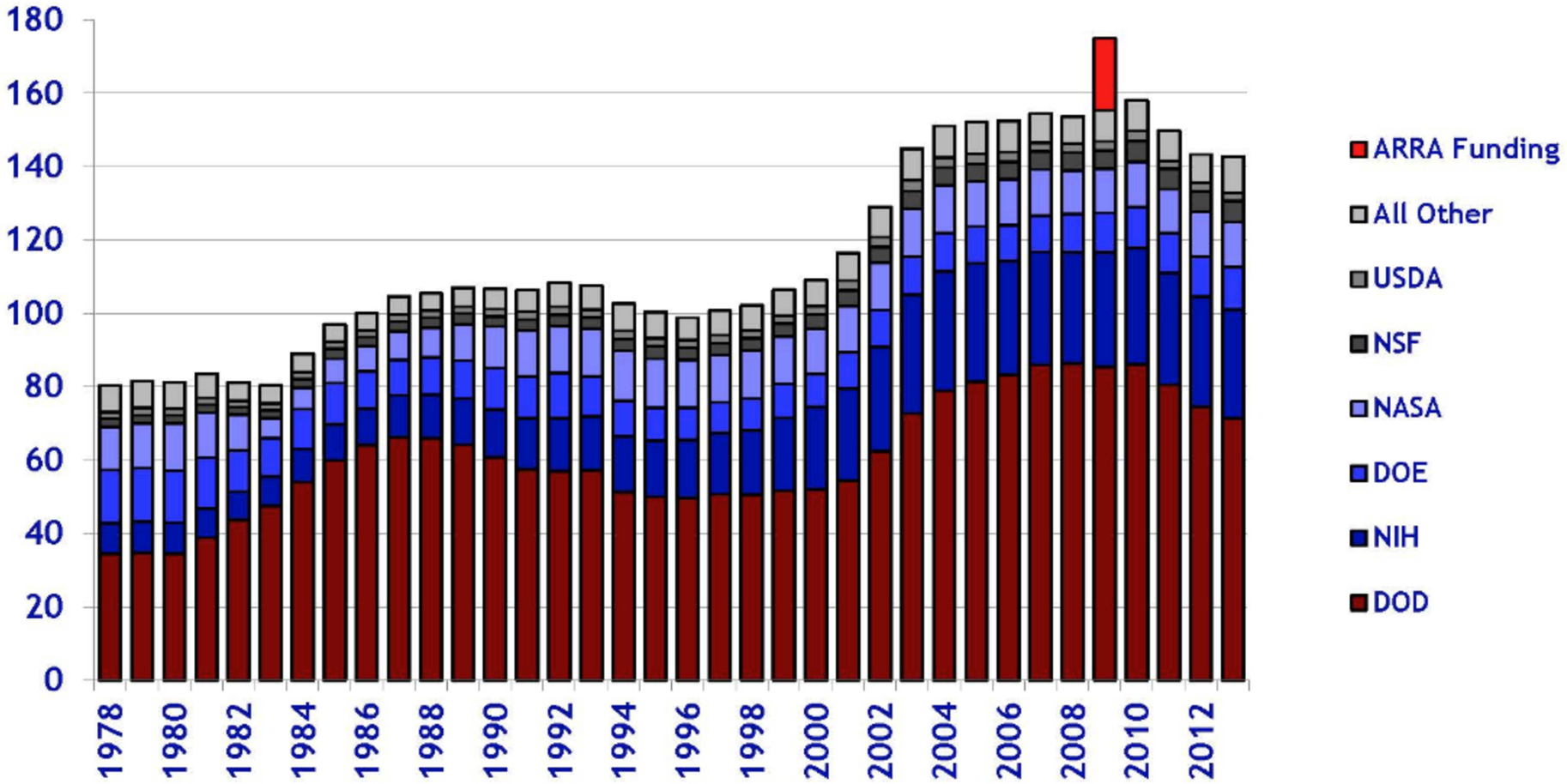
1st AMONG PUBLIC UNIVERSITIES

2nd AMONG ALL UNIVERSITIES

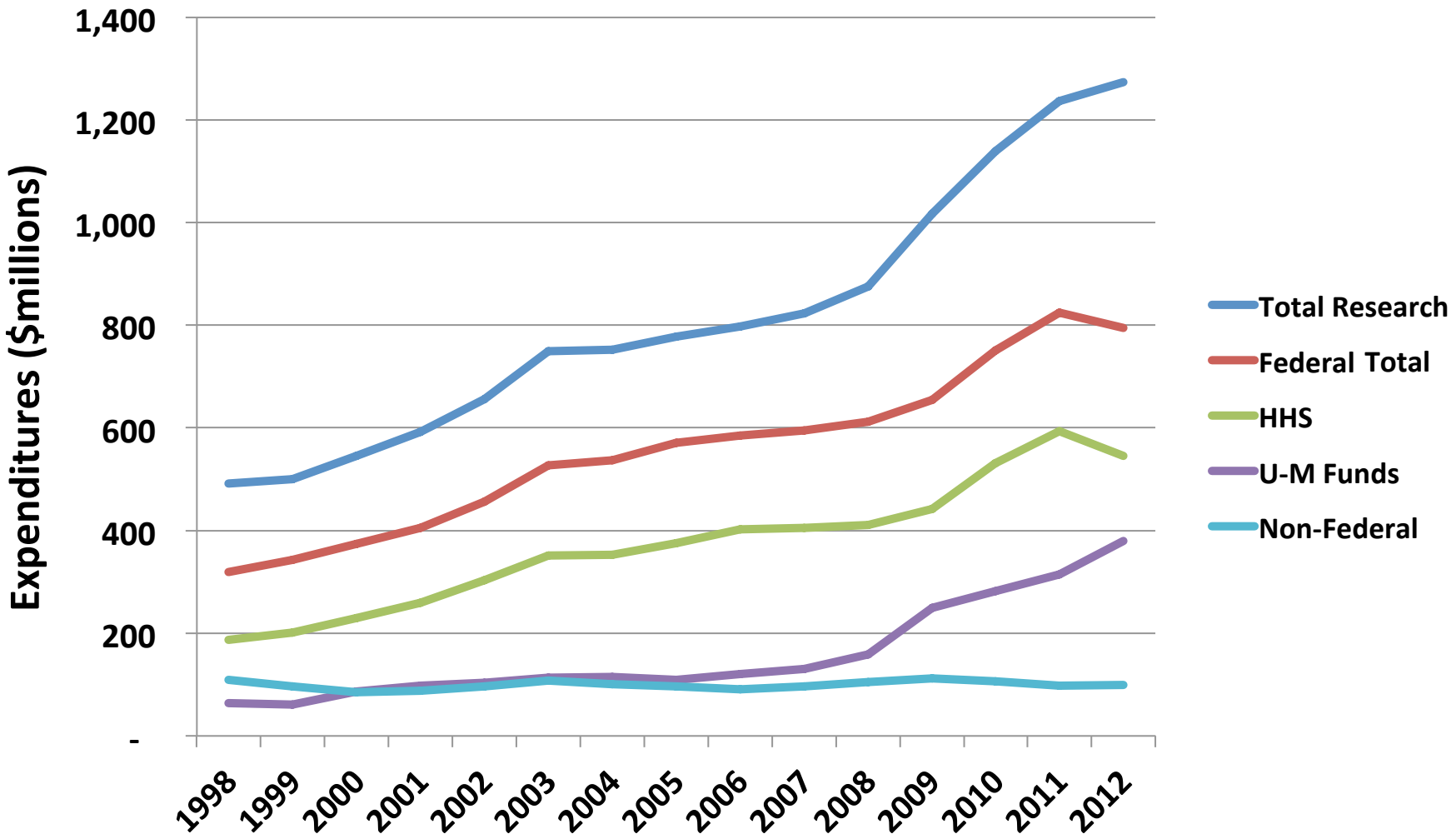
U-M's CORE FUNCTIONS



TOTAL FEDERAL R&D SPENDING

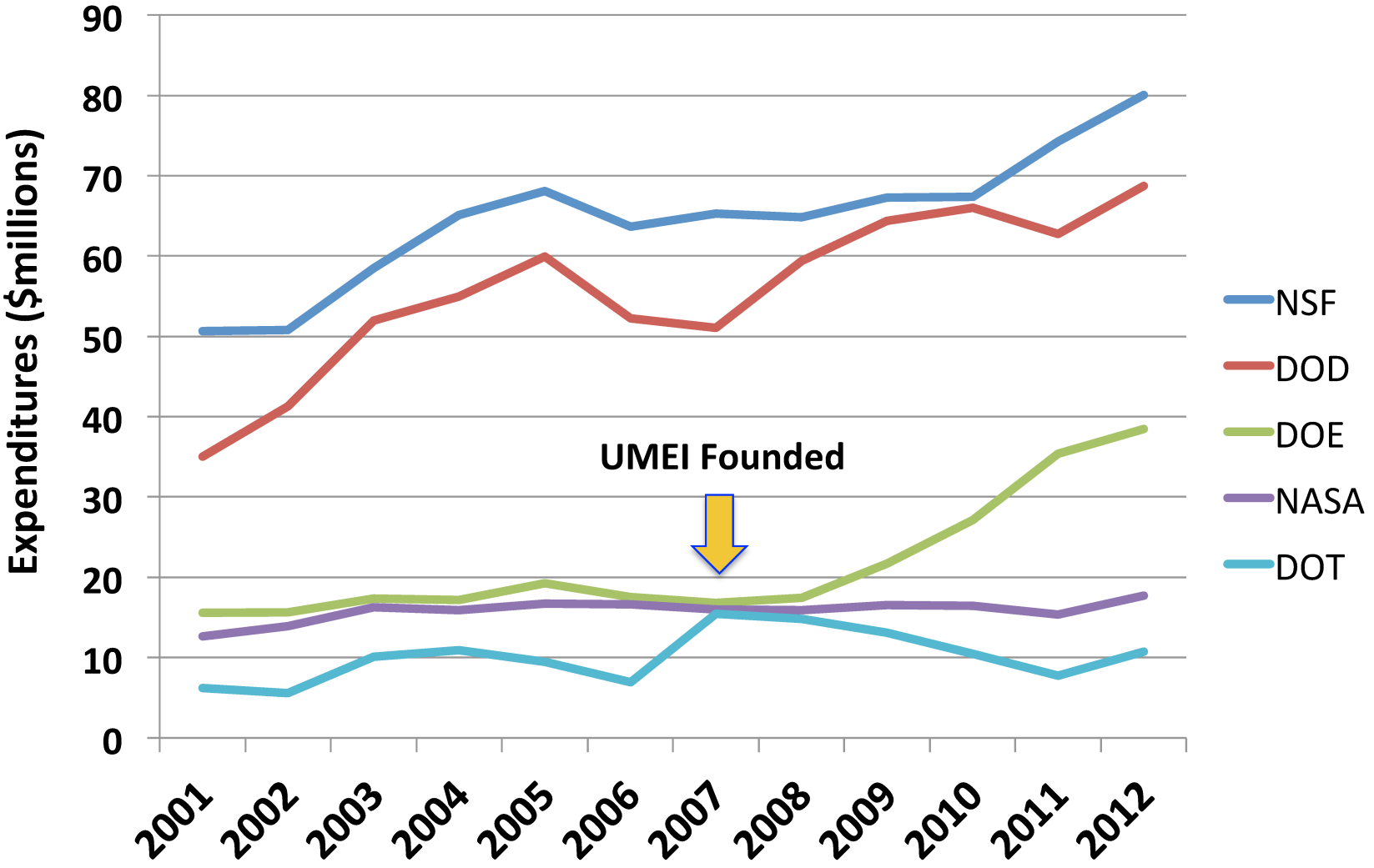


GROWTH OF U-M RESEARCH

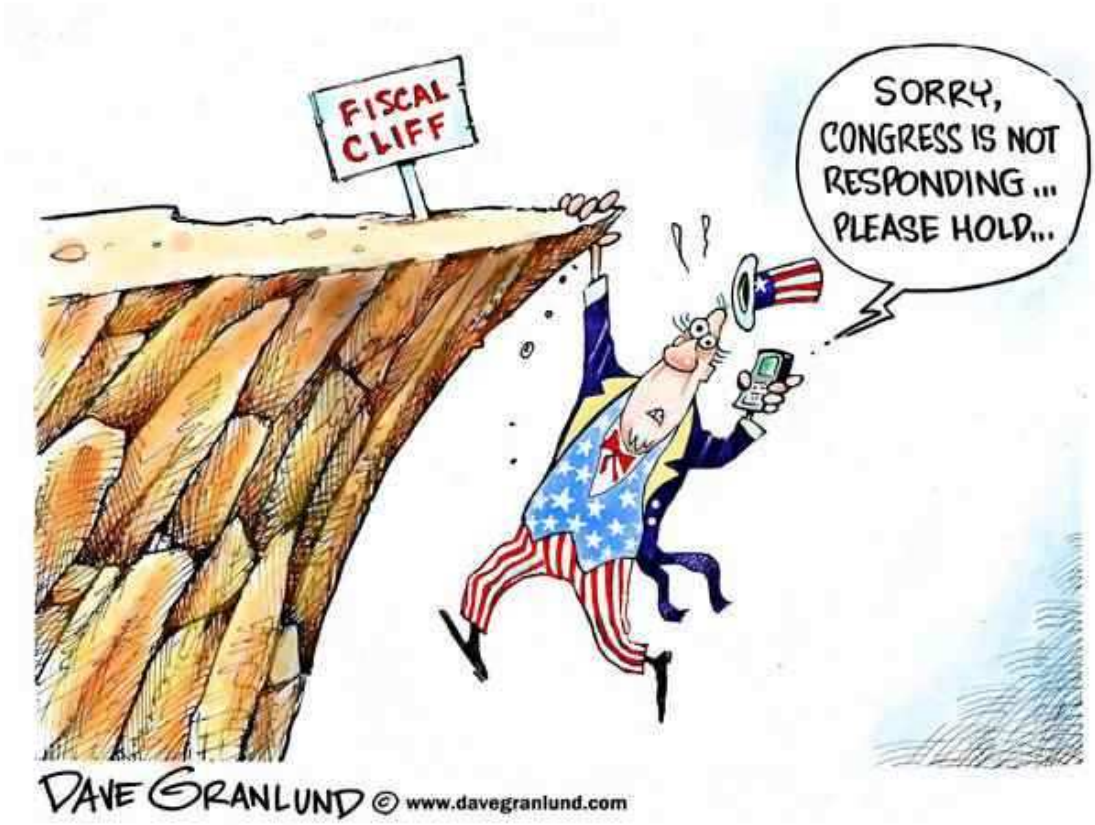


RESEARCH BY AGENCY AT U-M*

* Excluding HHS



SEQUESTRATION



THE OUTLOOK

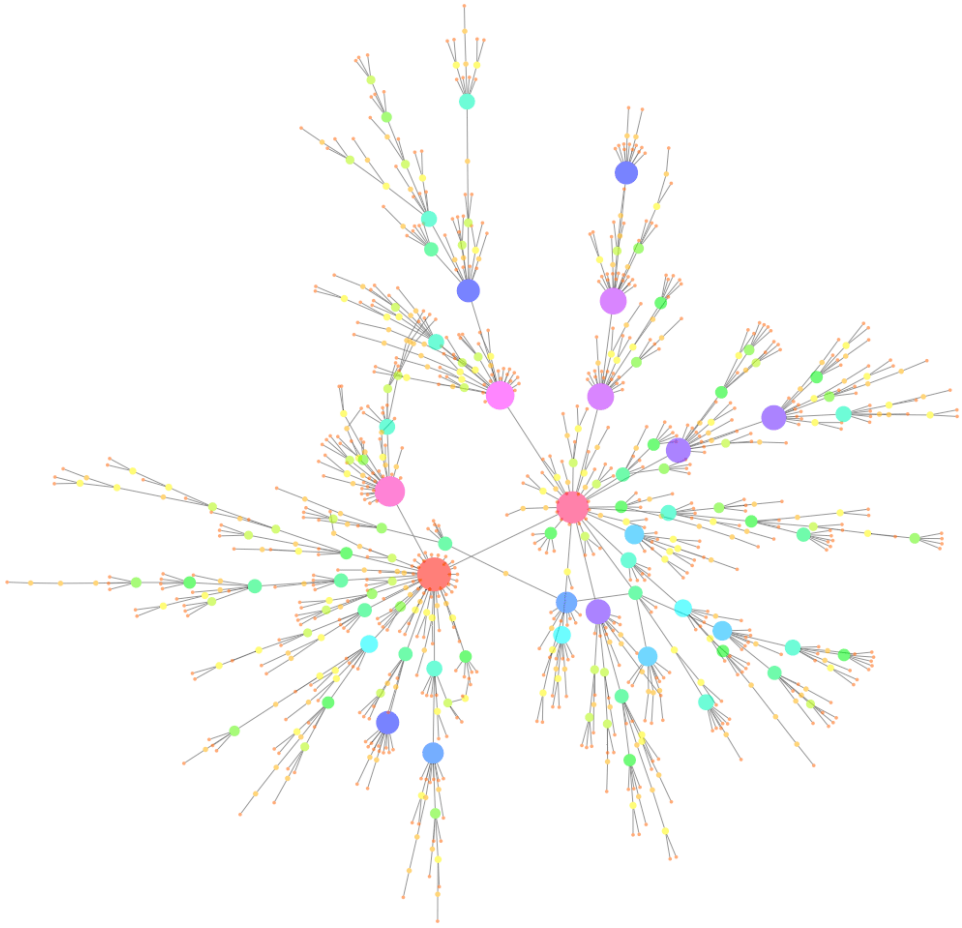
No matter what happens with sequestration, we are entering a period of flat or declining federal funding for university research.

WHAT CAN U-M DO?

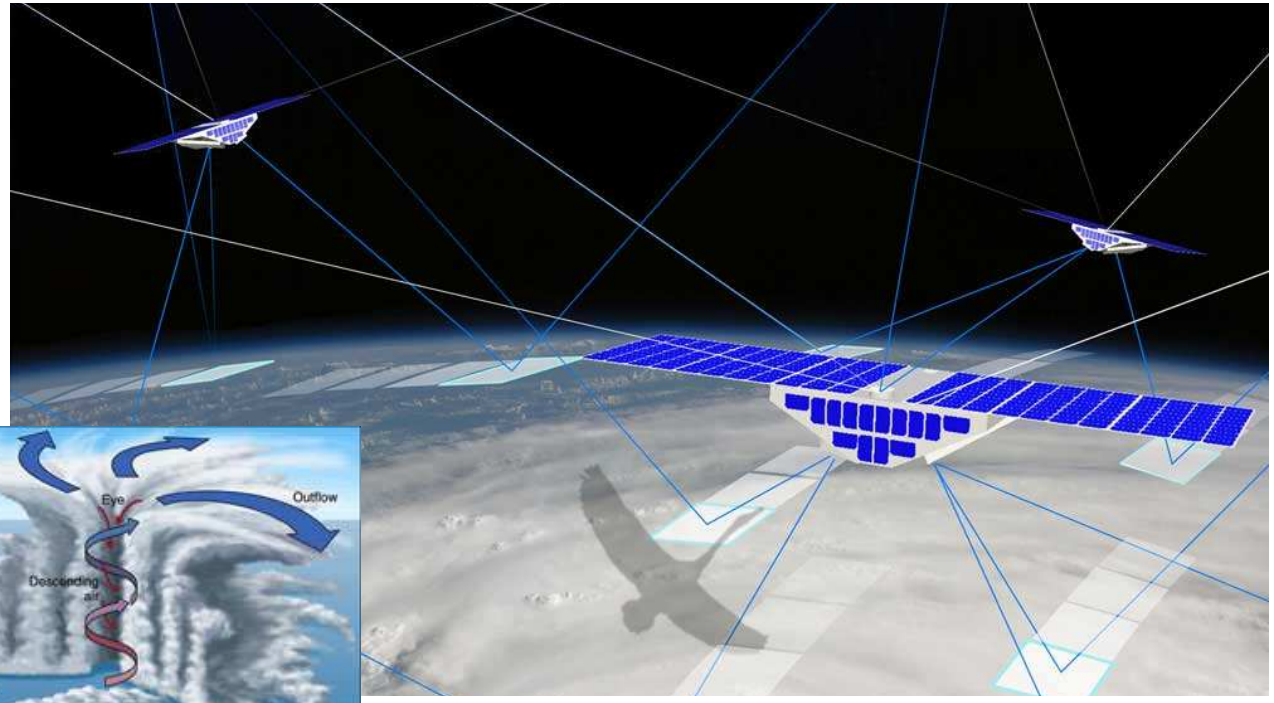
- Build on our strengths
- Strengthen ties to industry
- Focus on and shape federal priorities
- **Anticipate funding trends**
- **Engage globally**
- **Seize opportunities**

U-M'S STRENGTHS

- Size
- Breadth
- Excellence
- **Interdisciplinary**
- **Systems Focus**



CYGNSS: CYCLONE GLOBAL NAVIGATION SATELLITE SYSTEM



- First NASA program fully managed by a university
- Mission: Measure core hurricane winds in real time

WORKING WITH INDUSTRY

- Simplify Tech Transfer & Business Engagement
  - "Michigan Research Advantage"
- Expedite Clinical Trials
- Improve Administrative Processes (ORSP)



Building on our strengths

TRANSFORMING MOBILITY

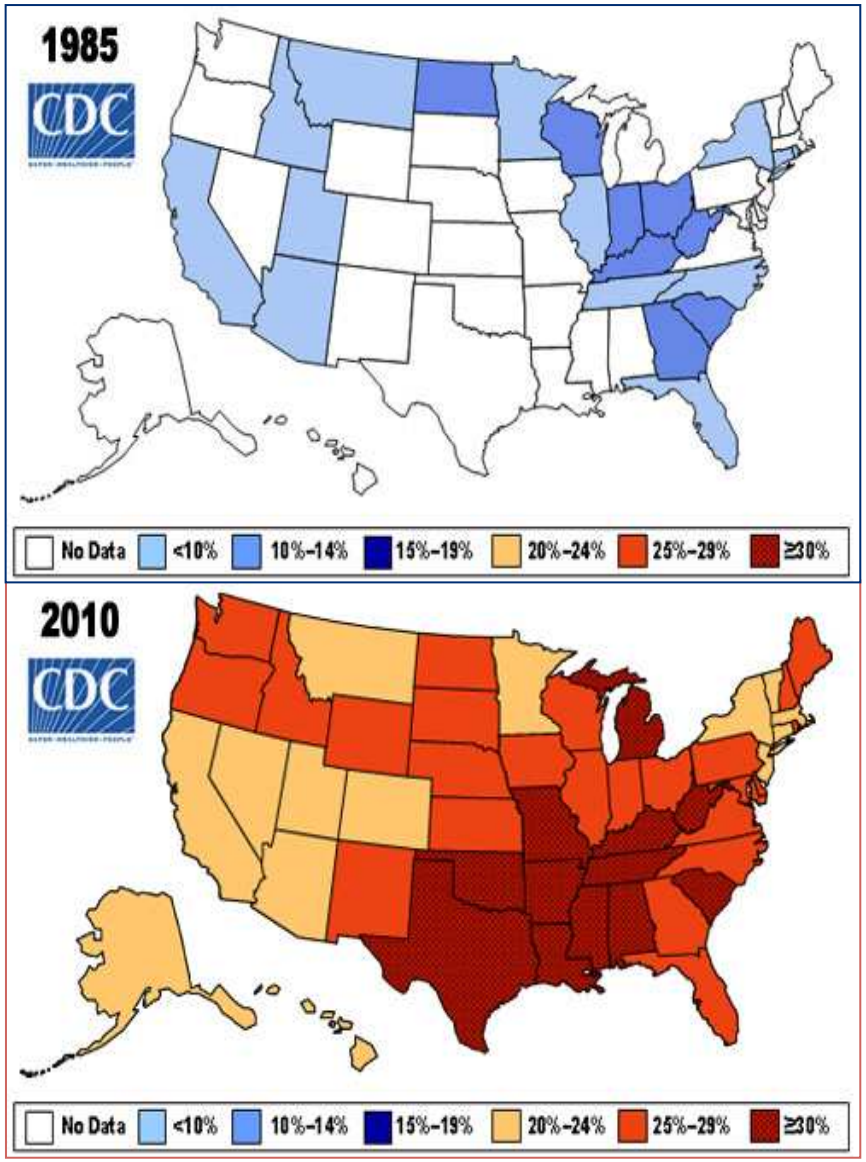
- 80% reduction in crashes
- 80% reduction in emissions
- 100% increase in new mobility startups



SOCIETY 2030

- Health across the lifespan
- Consumption of goods and services
- Living, mobility and working environment
- The worker and the workplace

Increase in obesity: 1985 to 2010



THE FUTURE

- UM is uniquely positioned to grow in both quality and influence
- Self-investment and funding diversification will lead to long-term success
- **Our principal objective**: Attract, retain and produce the talent and ideas that will drive the US economy into the future

Questions?

