

Shared Leadership Shared Responsibility

to Support STEM Education



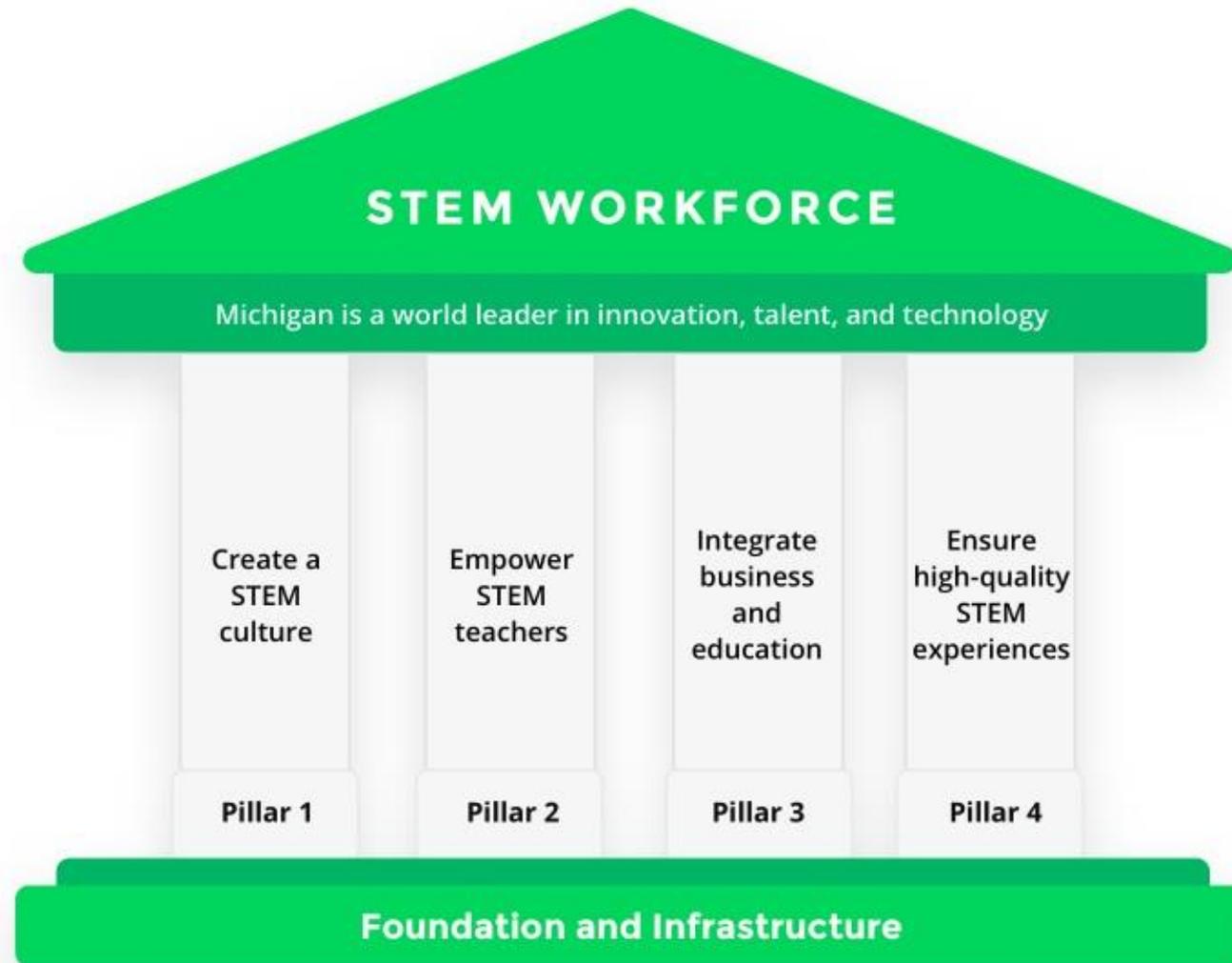
Per legislation: as an advisory group the Council has four specific functions:

1. Review and make recommendations to the governor, the legislature, and the department concerning changes to the statewide strategy adopted by the council for delivering STEM education-related opportunities to pupils;
2. Make specific funding recommendations for the funds allocated under Sec. 99s (3) of the 2018 School Aid Act by December 15 (MiSTEM Advisory Council Grant);
3. Work with the MiSTEM Network to develop locally and regionally developed programs and professional development experiences for the programs on the list of approved programs;
4. Work with the executive director of the MiSTEM network funded under section 99s to implement the statewide STEM strategy adopted by the MiSTEM advisory council.

MiSTEM Council

The MiSTEM Advisory Council consists of business, higher education, K-12 education, and philanthropic leaders. It was created in 2015 under MCL 388.1699s and is made up of 11 voting members and 4 ex-officio legislators.

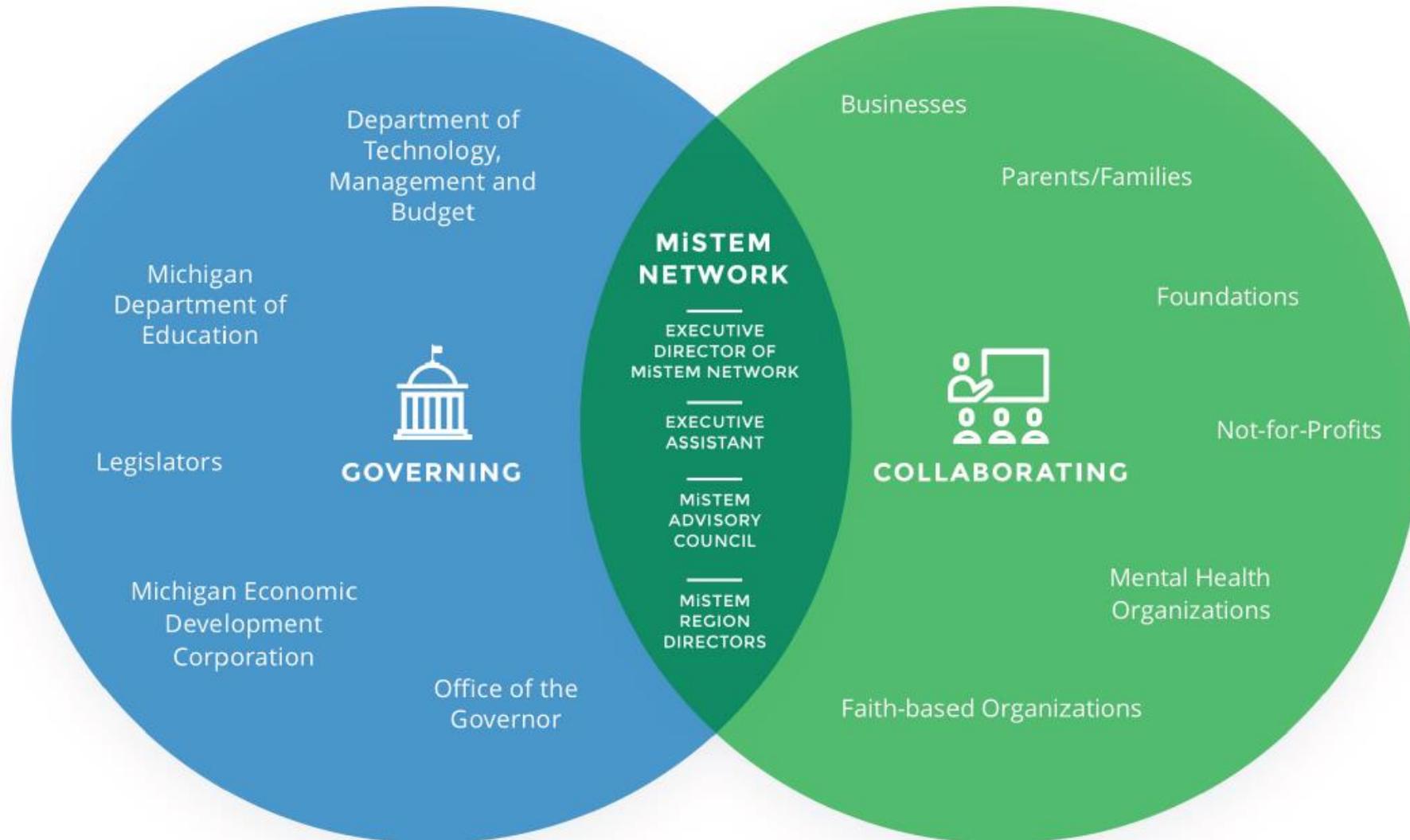
- Co-Chair: Christian Velasquez, Global Market Director, Dow Chemical
- Co-Chair: Jay Kulbertis, Ed.D., Superintendent, Gladstone Area Schools
- Kathleen Bushnell Owsley, Executive Director, Bosch Community Fund
- Lee Graham, Executive Director Operating Engineers 324 LMEC
- Josh Nichols, STEM Teacher, Stockbridge Community Schools
- Carolyn Wierda, Executive Director of STEM, Saginaw Valley State University
- Edward Silver, Senior Associate Dean for Research and Graduate Studies, School of Education, University of Michigan
- Hina Baloch, Manager , Global Social Impact & STEM Education, General Motors
- Heidi Maltby-Skodack, Assistant Principal & STEM Director, Traverse City Area Public Schools
- Richard Bacolor, Consultant, Science, Wayne RESA
- Vacancy
- Ex-Officio, Senator Polehanki
- Ex-Officio, Senator Zorn
- Ex-Officio, Representative Kuppa
- Ex-Officio, Representative Paquette



“The starting point is curiosity: pondering why the default exists in the first place. We’re driven to question defaults when we experience vuja de, the opposite of déjà vu. Déjà vu occurs when we encounter something new, but it feels as if we’ve seen it before. Vuja de is the reverse – we face something familiar, but we see it with a fresh perspective that enables us to gain new insights into old problems.”

(Originals, Grant, 2016) – Pg. 7

MiSTEM Network Structure



*All potential partners may not be represented

MiSTEM Network Regions

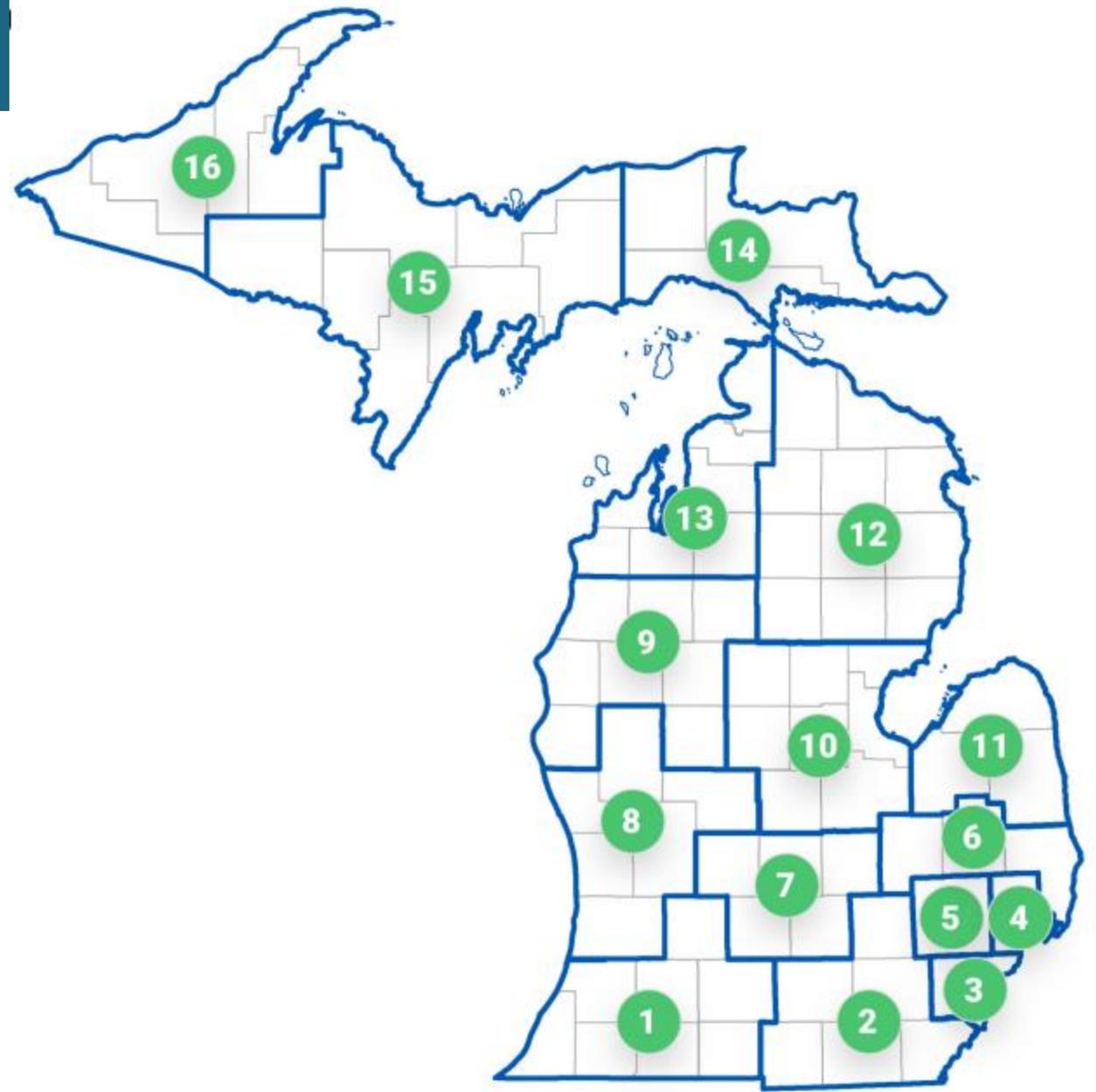
Grant and Collaboration Opportunities:

Operational Strategic Plans / grants submitted by Oct. 1st each year

Section 99s6 funds—PD for assisting districts in implementing the MMC

Council grants—at least one in each region, LEAs are eligible, STEMworks

Region Contacts can be found at www.Michigan.gov/mistem

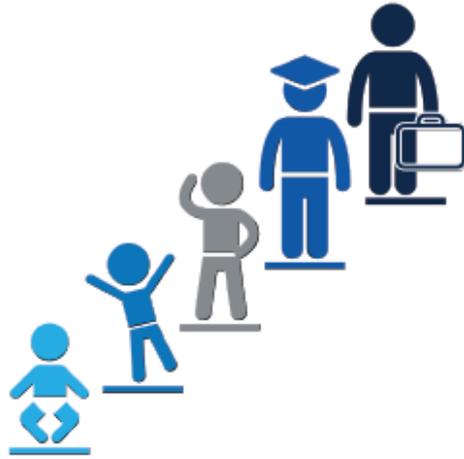


The P-20 Campus



Leaders Engineering Change

CRADLE TO CAREER



Design
Engineering
Architecture
Urban planning
Business
Social justice

PROJECT- AND PLACE-
BASED CURRICULUM .



INQUIRY-BASED
PROGRAMMING

**Preparing students to be critical agents of change and innovation in
their present and future communities**

High Quality STEM Experiences



Local Control

Districts determine how and where proficiency is measured

Student credit is based on proficiency with the content

Districts determine how graduation requirements are met and issue diploma

Questions?

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Michigan.gov/MiSTEM

