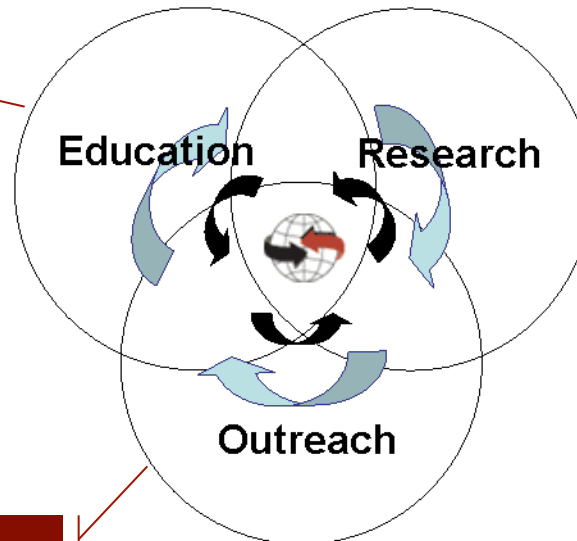




- ❖ **MISSION:** “*Drive supply chain innovation and accelerate its adoption into practice.*”
- ❖ **Founded in 1973** as an interdisciplinary unit in the MIT School of Engineering
- ❖ **Conducts research** in transportation, logistics and supply chain management
- ❖ **Engages over 60 faculty and research staff** from **11 MIT departments & schools**

- Master of Engineering in Logistics (MLOG)
- MIT-Zaragoza Program in Logistics (ZLOG)
- ESD SM in Logistics
- ESD Ph.D. in Logistics
- Executive Courses



- SC2020
- Healthcare SC
- Security & Resilience
- Transportation Mgmt.
- Emerging Markets
- Energy/Carbon
- Demand Mgmt.
- SC Risk Mgmt.
- Scenario Planning
- Strategy Alignment
- Education Partners
- MIT AgeLab

- Three-tier partnership model
- Exchange community
- Collaborations
- Communications



MLOG Master of Engineering in Logistics

Master of Engineering in Logistics (MLOG) Program

Chris Caplice

Executive Director, MIT MLOG Program



MIT Center for
Transportation
& Logistics



MLOG Mission & Principles

Mission

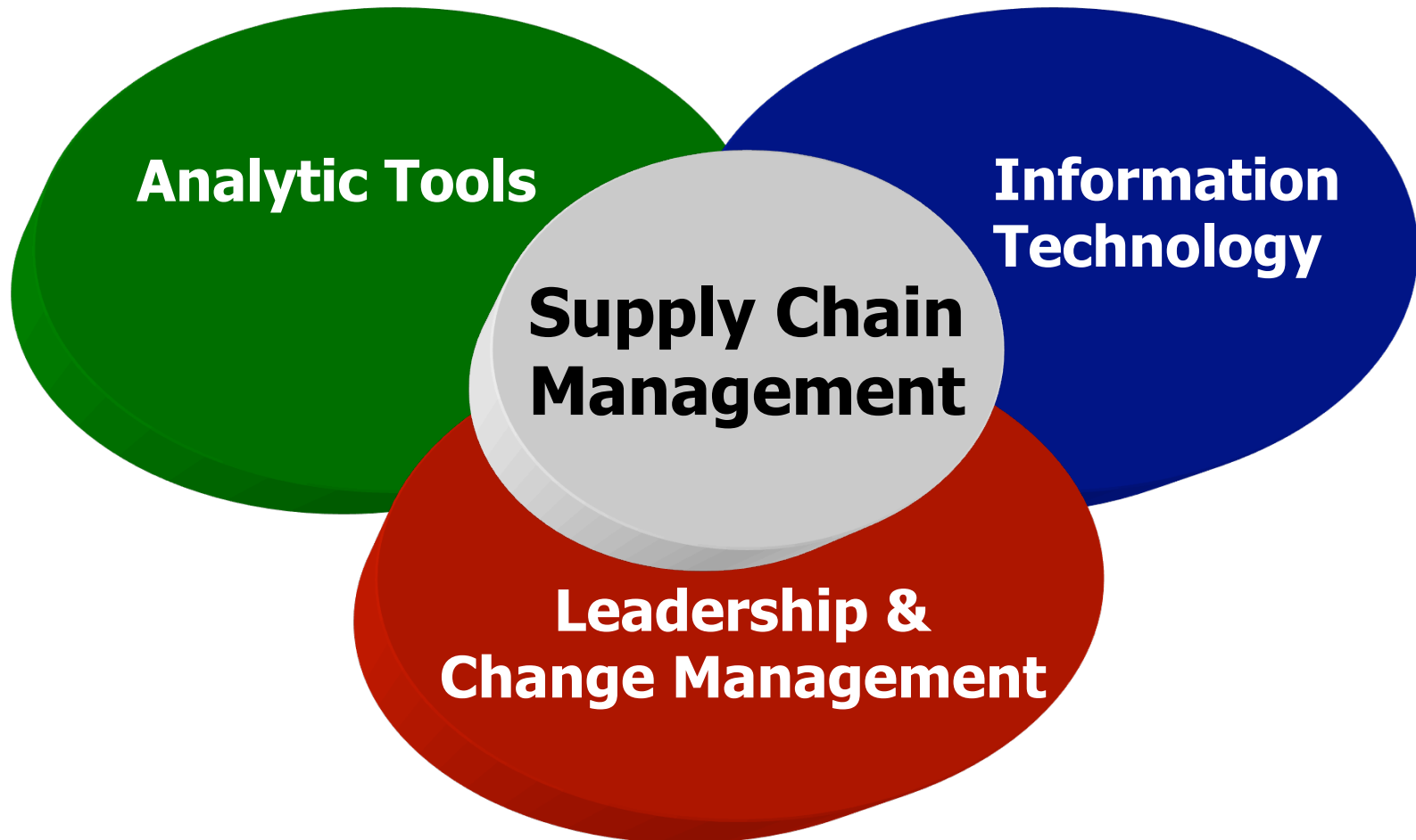
MLOG is a **nine-month**, **on-campus** master degree program designed primarily for supply chain management professionals with **industry experience** instilling in them a system-wide and **global** perspective, analytical **problem solving** techniques, and **change leadership** skills.

Guiding Principles

- Keep It Short & Focused - 9 month on campus program
- Keep It Small & Selective – Over 200 apps for 35 person cohort
- Keep It Practical and Real – Strong industry involvement
- Reach Young Professionals – target of 3-8 years of experience
- Set a Global View – in students, sponsors, and study
- Focus on Problem Solving - combine theory & practice
- Imbed Leadership Skills –negotiate, persuade, & communicate

MLOG Program Concept

Focus on three core competencies required for a successful SCM career.



MLOG Curriculum

Adding educational value in 9 months

- 4 tightly designed and distinct phases
- Each phase builds on the previous ones



MLOG Curriculum

OP

3 weeks

FALL

13 weeks

IAP

4 weeks

SPR

13 weeks

❖ Primary Objectives for Each Period

■ Orientation Period – Self Sufficiency

- ◆ Assess strengths and areas for improvement
- ◆ Build cohort and familiarity with MIT, Boston, and Supply Chain
- ◆ Create a 9 month MIT-Roadmap

■ Fall Semester – Basic Theory & Tools

- ◆ Learn basic theory, IT, self-leadership, and analytical tools
- ◆ Introduction into research and writing
- ◆ Start thesis project

■ IAP – Practical Aspects

- ◆ Exposure to practical side of supply chain
- ◆ Learn and apply team-leadership skills
- ◆ Include interaction between ZLOG and MLOG

■ Spring Semester – Strategy & Research

- ◆ Learn strategic aspects of supply chain management
- ◆ Learn and apply change management & negotiation skills
- ◆ Create & disseminate new intellectual property via thesis project

Supply Chain Education Partners Program

- ❖ Objectives:
 - Provide students with practical research experience
 - Provide partner company with benefits of focused research
- ❖ Started in 2002 for the MLOG Class of 2003
 - Current year has >20 companies participating
 - More projects than students!



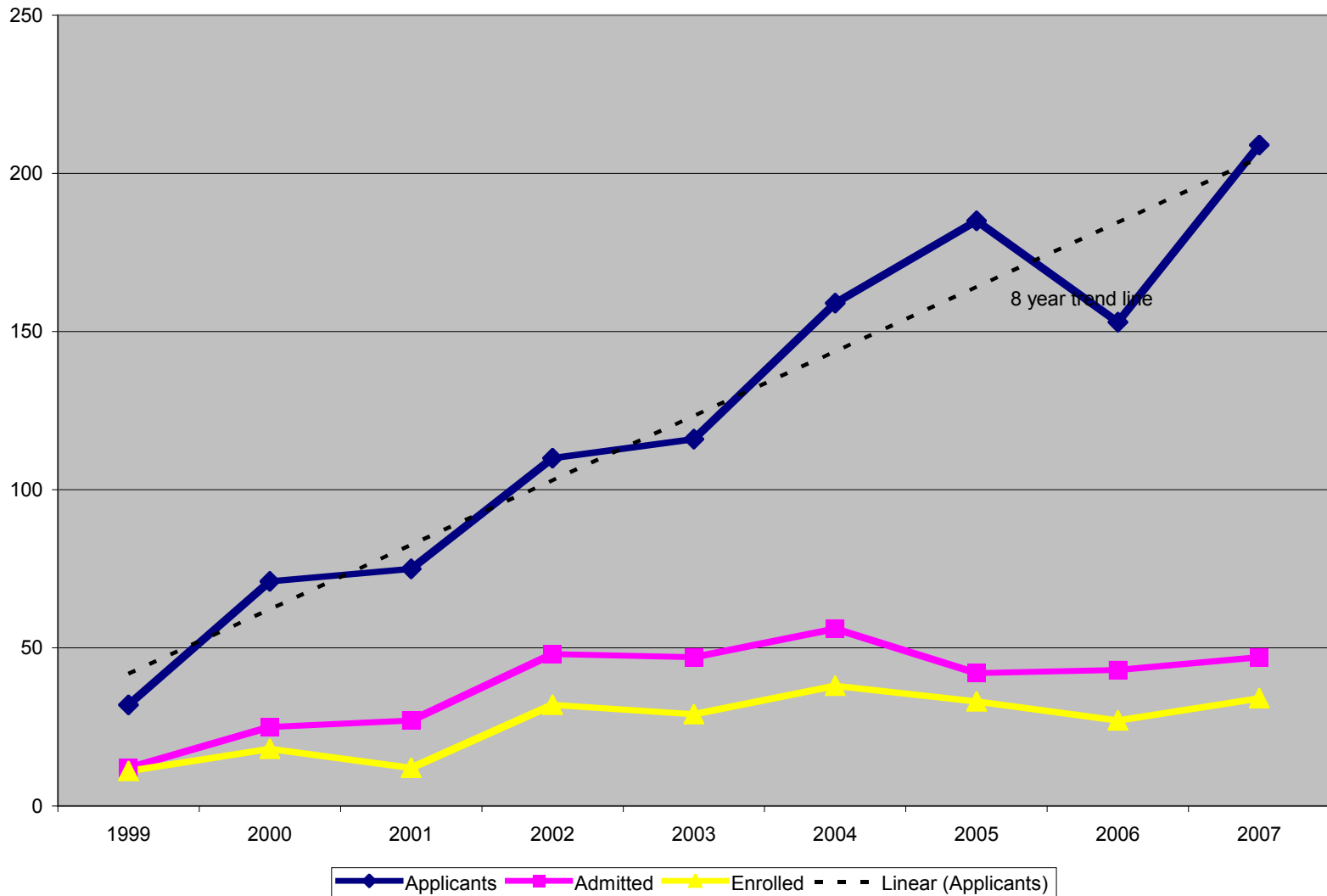
The Siam Cement Group



GENERAL MILLS



MLOG Application & Admission



MLOG Class of 2009 Profile

- ❖ 35 Students enrolled (from ~210 applications)
 - 50% international – from 9 countries
 - Colombia, China, India, Jamaica, South Korea, Mexico, Nigeria, & Peru
- ❖ On average, 30.3 years old – ranging from 22 to 38
- ❖ Scored well on standard tests – median scores:
 - GRE Verbal 595
 - GRE Quant 780
 - GMAT 710
- ❖ Over 35% have advanced degrees:
 - 10% have MBAs
 - 25% more already have some other Masters Degree
- ❖ About one third are “career changers” into Supply Chain Management the rest have direct experience
- ❖ Average ~ 7 years of work experience
 - Industries - medical, high tech, transportation, IT, military, retail, software, consulting, and manufacturing.
 - Companies - Pratt & Whitney, LOGyCA, Supply Chain Management Research Group, Manhattan Associates, United Technologies, Johnson & Johnson, Cisco, Maersk, US Army, US Navy, Sintec, Walmart, The Boeing Company, Ternium, Infosys Technologies, Fashionplus, Samsung, Honeywell, Motorola, Ernst & Young, Oracle, Channel Oil, Bear Stearns, Farmacias Benavides, ING DIRECT, IBM Business Consulting Services, Digitas, SAP America, Accenture, UPS, John Galt Solutions, Menlo Worldwide Logistics.

Where do they go?

❖ Total Graduates

- 267 alumni from 10 classes
- Working location: 71% US versus 29% International

❖ Industry Placement (all classes)

- 56% Manufacturing, Retail, Distribution
Dell, Frito-Lay, Toyota, Cisco, M&M Mars, WR Grace, Wyeth Pharmaceuticals, The Home Depot, Staples, Harmon Kardon, Motorola, Sony, USCO. C&S Wholesalers, Pepsi-Co, Coyote Logistics, JB Hunt, etc.
- 25% Consulting
Accenture, BCG, McKinsey, Deloitte, Cap-Gemini, Booz Allen, Mercer, UPS Consulting, etc.
- 9% Software
i2, Manhattan Associates, SAP, JD Edwards, Manugistics, LogicTools, Emptoris, Optiant, GT Nexus, etc. Google, Microsoft
- 10% Other (Education, Start ups, Govt., Research)

❖ Titles range from:

- CEO to President to Vice Presidents of Logistics to Senior Consultants to Supply Chain Analysts
- Strong entrepreneurial culture



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