



SNOLAB: 2025 Future Projects Workshop – Updates from NSERC

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The Subatomic Physics Evaluation Section

- The Subatomic Physics Evaluation Section (SAPES) is a standing review committee that oversees various programs:
 - Individual and Project Discovery Grants
 - Research Tools and Instruments (RTI - Category 1, 2 or 3) Grants
 - Major Resources Support (MRS) Grants
- Funded through a unique **independent envelope mechanism at NSERC**, since 1991
- This comprehensive approach is essential
 - Complexity and inter-dependency of many proposals
 - Country-wide collaborations among individuals, groups, universities, and national research organizations
 - Long-term and large-scale international projects and commitments
 - Possibility to exchange funds between the various programs as a function of the priorities of the community and the pressures it faces

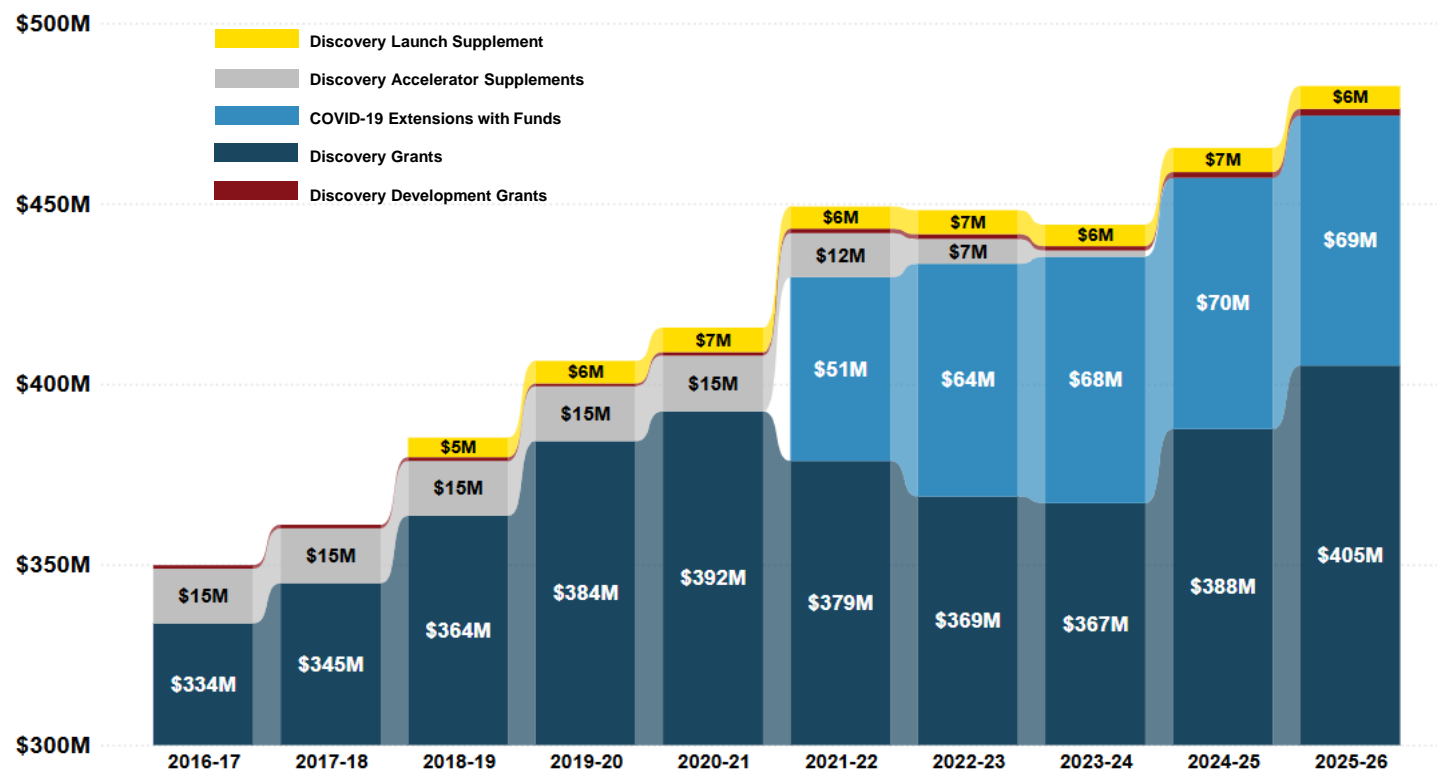
Research Grants and Scholarships

2025 Discovery Research Program Competition Results

- **Discovery Grants** offered \$499M in new awards
 - 3,375 applications; 2,125 awards, with a 63% success rate
- **Research Tools and Instruments** awarded \$25M
 - 715 applications; 191 awards, with a 27% success rate
- **Subatomic Physics Grants** invested over \$49.8M in new awards
 - 62 applications across all categories; 37 awards
 - Success rates ranged from 30% to 68%
- **Discovery Horizons** offered \$4.2M in new awards
 - 84 LOIs received, 37 full applications reviewed, and 11 grants awarded

2025 Discovery Grants Results - Overview

Total Investment in Discovery Grants



SAP Competition Details

- 62 applications
- Total requested: \$27.7M
- Available funds: \$15.5M
- Average funding rate: 56%

Compare to past funding rates:

2018	2019	2020	2021	2022	2023	2024
74%	64%	56%	40%	64%	60%	52%

2025 Competition – Large Projects

- Large Projects requested a total of \$17.5M (2025).
- Competition Budget was \$15.5M
 - ATLAS
 - Global Argon Dark Matter Program
 - MOLLER/ P2
 - nEXO
 - SNO+
 - SuperCDMS
 - TITAN

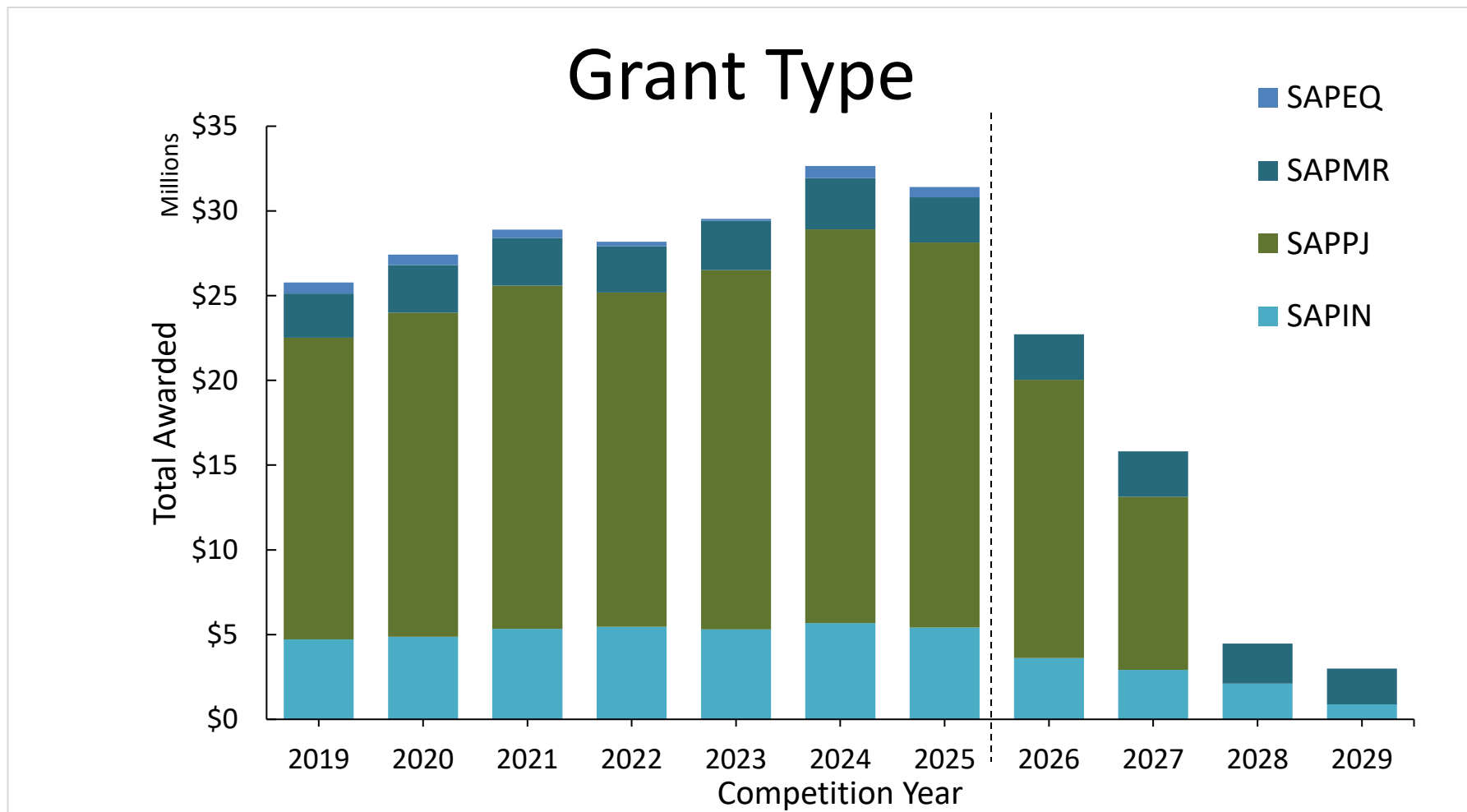
Multiyear Commitments - End of Competition

SUBATOMIC PHYSICS ENVELOPE MULTI-YEAR COMMITMENTS BY CATEGORY Competition 2025					
	2025	2026	2027	2028	2029
RTI - COMMITTED	\$200,000				
RTI - 2025 Competition	\$414,735				
RTI - TOTAL	\$614,735				
THEORY - COMMITTED	\$3,391,350	\$2,153,500	\$1,597,500	\$871,500	\$0
THEORY - 2025 Competition	\$587,000	\$587,000	\$587,000	\$520,000	\$520,000
THEORY - TOTAL	\$3,978,350	\$2,740,500	\$2,184,500	\$1,391,500	\$520,000
EXP OPS** - COMMITTED	\$11,788,830	\$4,877,005	\$359,000	\$359,000	\$0
EXP OPS - 2025 Competition	\$12,375,000	\$12,422,000	\$10,583,000	\$367,000	\$367,000
EXP OPS - TOTAL	\$24,163,830	\$17,299,005	\$10,942,000	\$726,000	\$367,000
MRS - COMMITTED	\$538,767	\$564,893	\$583,715	\$247,265	\$110,545
MRS - 2025 Competition	\$2,119,000	\$2,119,000	\$2,099,000	\$2,101,000	\$2,103,000
MRS - TOTAL	\$2,657,767	\$2,683,893	\$2,682,715	\$2,348,265	\$2,213,545
TOTAL - COMMITTED	\$15,918,947	\$7,595,398	\$2,540,215	\$1,477,765	\$110,545
TOTAL - 2025 Competition	\$15,495,735	\$15,128,000	\$13,269,000	\$2,988,000	\$2,990,000
GRAND TOTAL	\$31,414,682	\$22,723,398	\$15,809,215	\$4,465,765	\$3,100,545
TOTAL ENVELOPE	\$30,645,278	\$30,645,278	\$30,645,278	\$30,645,278	\$30,645,278
COMPETITION BUDGET	\$15,500,066				
Unspent from previous FY	\$773,735				
AVAILABLE	\$4,331	\$7,921,880	\$14,836,063	\$26,179,513	\$27,544,733

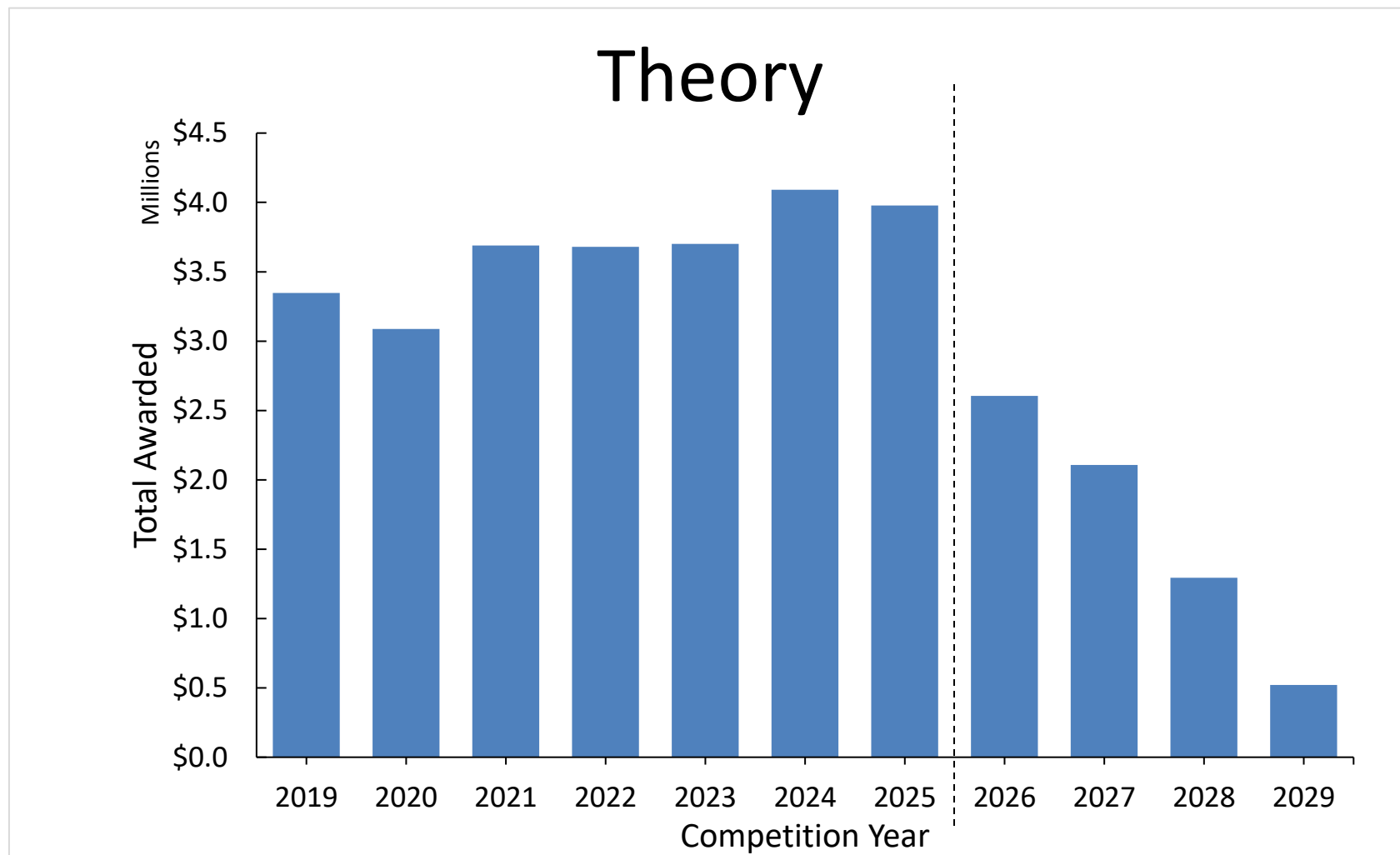
**EXP OPS = Experimental Operations – Includes Project grants and experimental Individual grants

All remaining funds will be added to the SAP envelope for CY2026.

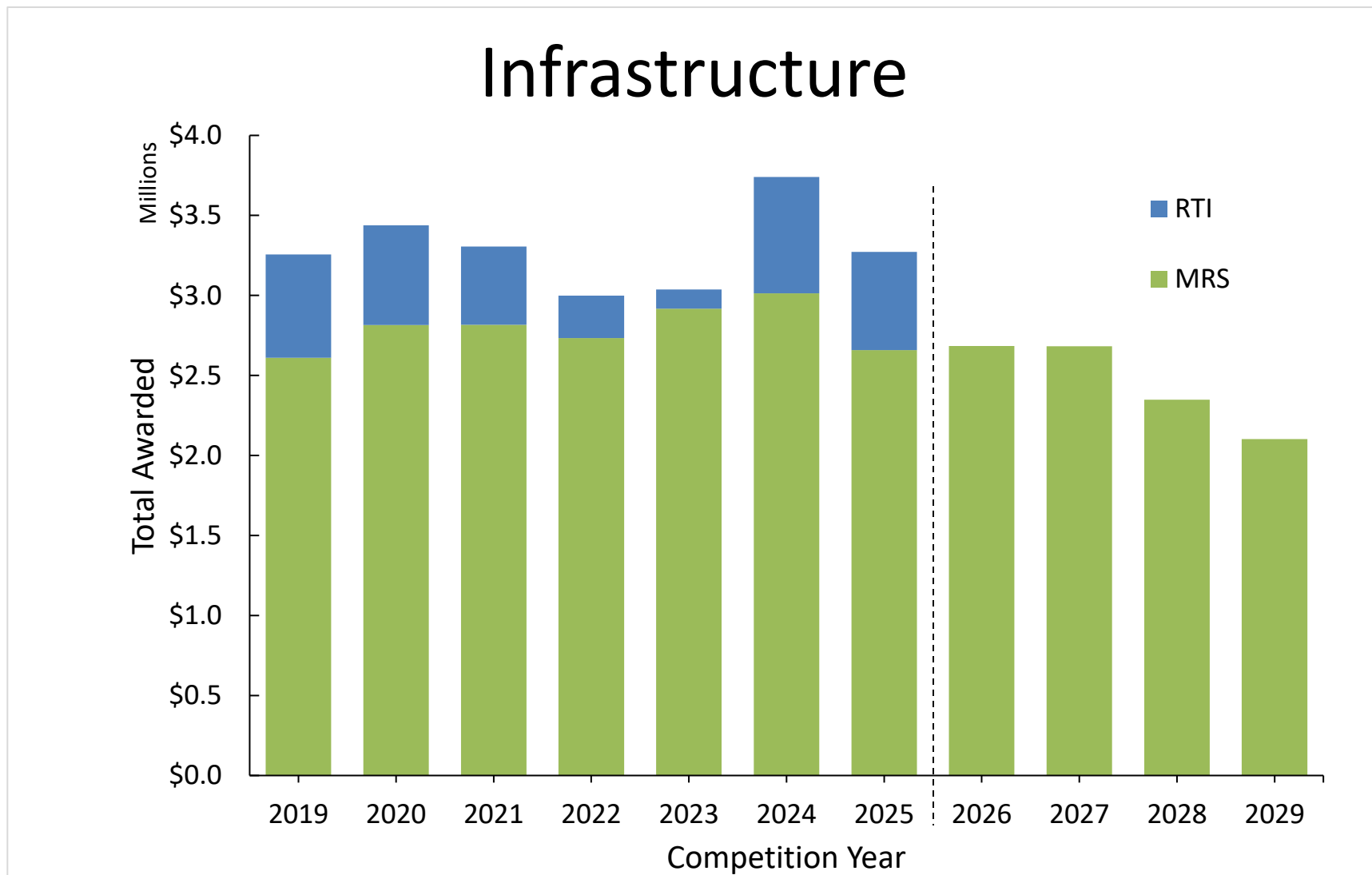
Evolution of SAPES Awards

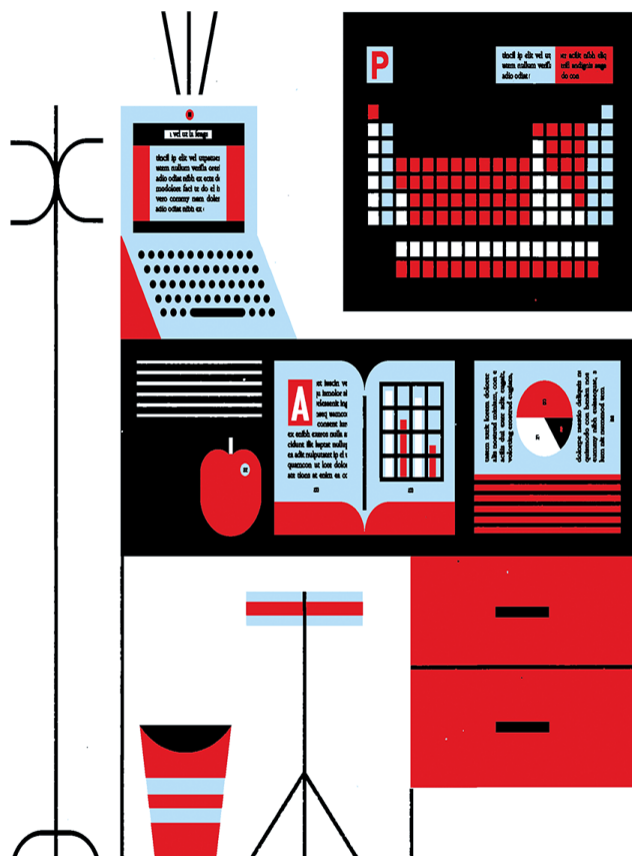


Evolution of SAPES Awards



Evolution of SAPES Awards





Questions?

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