

Managing Your Career as a Geoscientist

From Many AAPG Geoscientists



Take Responsibility

It Is Your Career

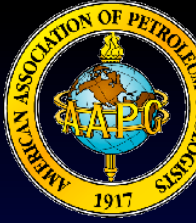
It Is Your Responsibility



Your Career



Can Take Many Directions

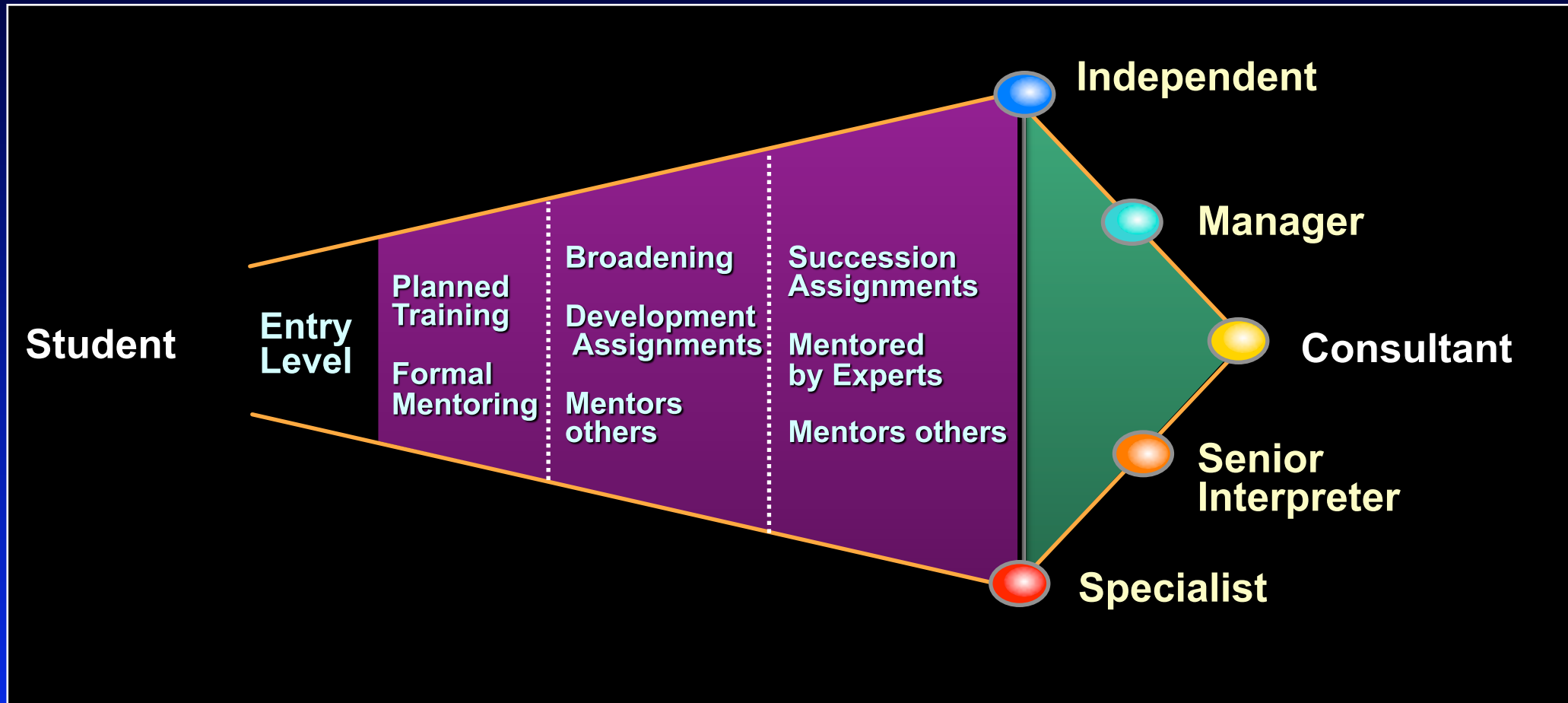


You



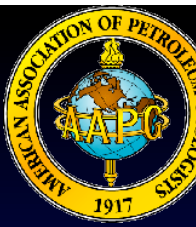
Set the Direction

Geoscience Professional Development



Now is the Time to Start Planning Your Career

To Arrive at Your Destination



**You Must
Maintain Your Career**



Your Responsibility



Maintain

Or Not

Your Career



**Is a
Geoscience Career**

**The Right
Career for You?**

Successful Geoscientists



Love Geology

Creative Problem Solvers

Win-win attitude

Team player

Perseverance *and* flexibility

Realistic appraisal of career market



Society Needs our Expertise

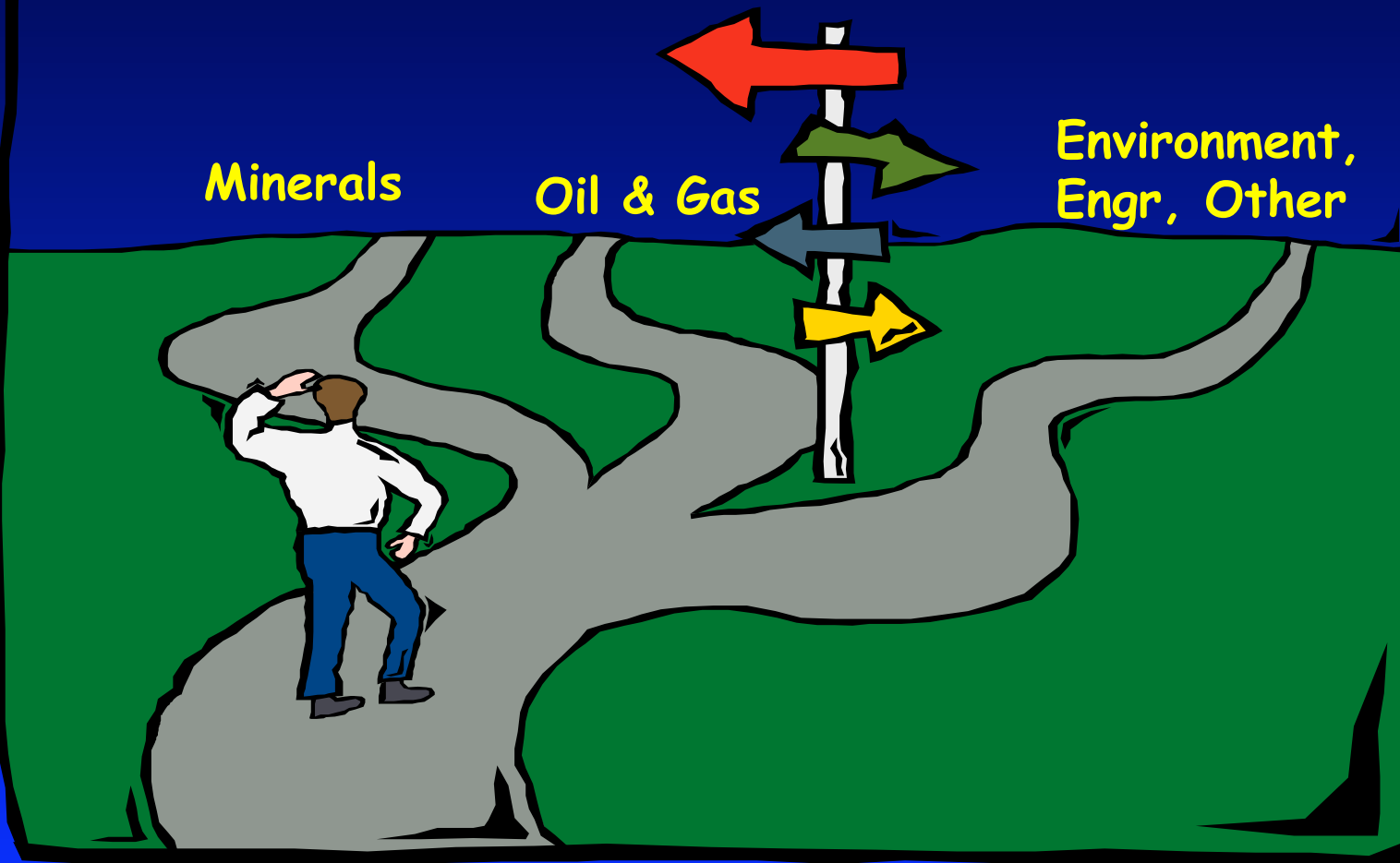
Resource Assessment: Fossil fuels
Stratigraphic minerals

Environmental Quality: Water supplies
Waste management

Catastrophe Management: Landslides, Floods,
Tidal Waves
Bolide Impacts

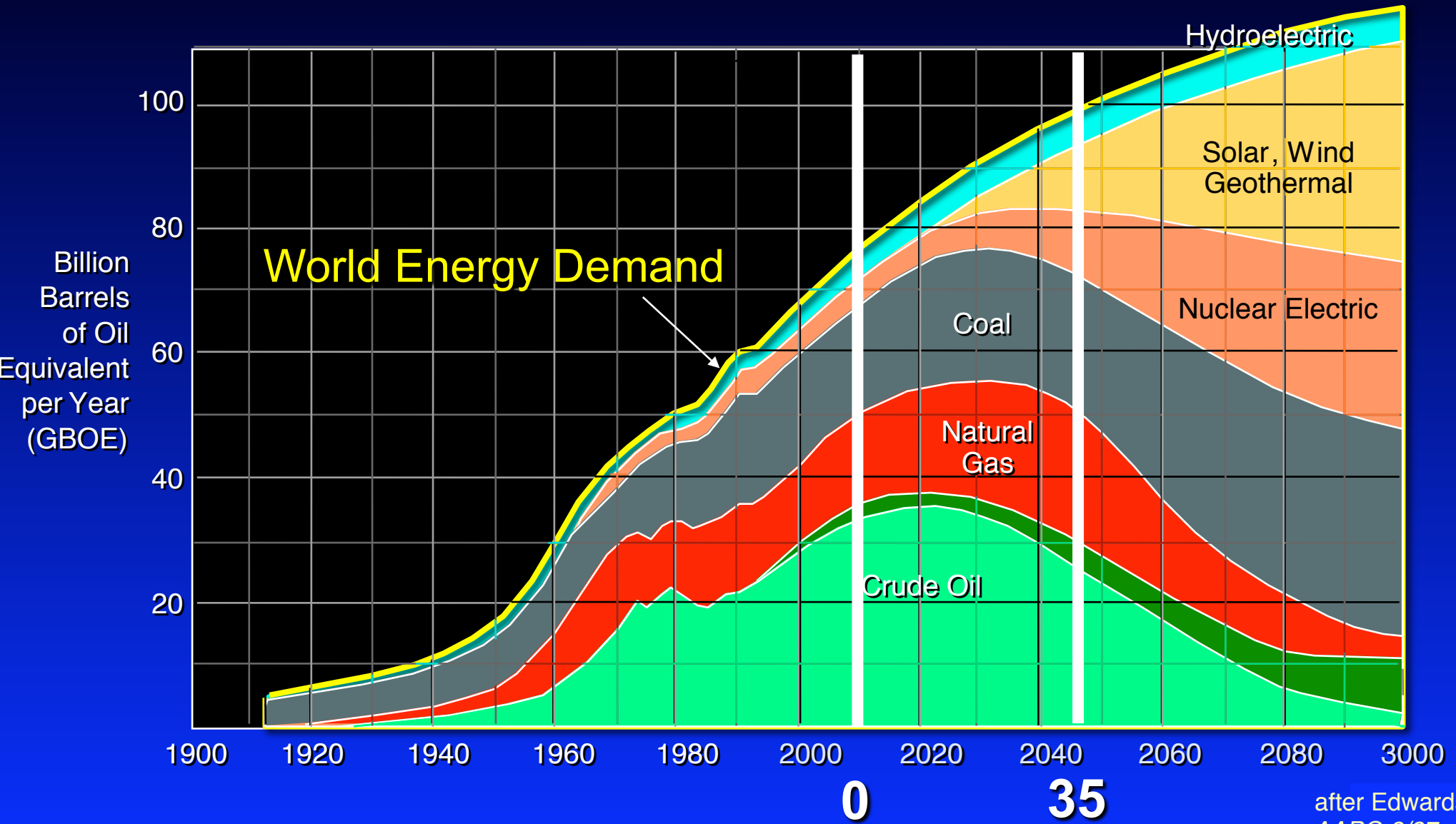
Climate Change: Documentation
Coastal management

THE GEOSCIENCE GRADUATE'S OPTIONS





Projected World Energy Demand

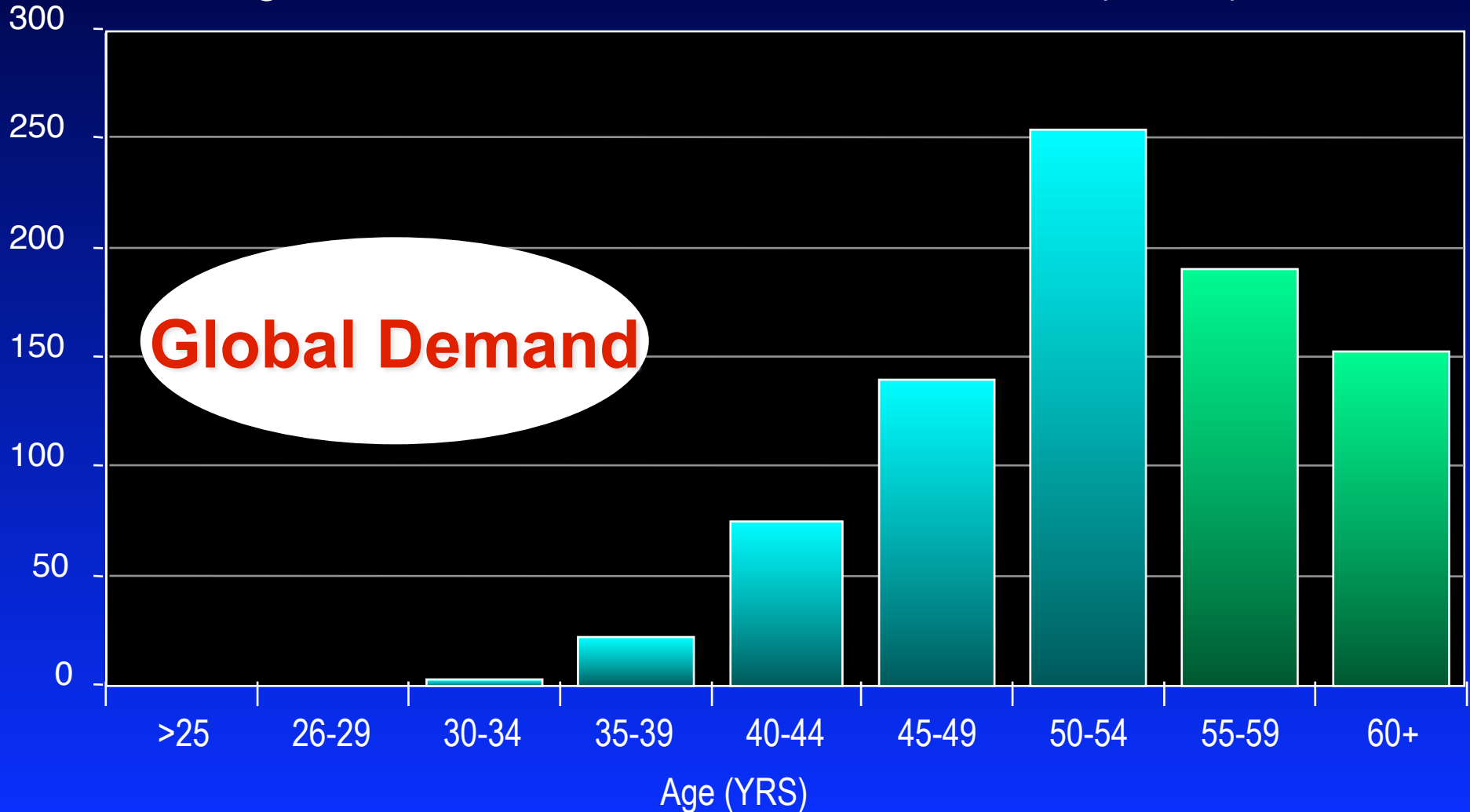


after Edwards,
AAPG 8/97

Current Industry Geoscience Demographics



Age Brackets for Geoscientists Worldwide (2008*)



Successful Geoscientists



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Team player

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Realistic appraisal of career market

Build



A Solid Foundation



Geoscience Foundation

Strong basic-discipline training

Develop supplementary skills

Math and Statistics

Physics

Computer and Workstation

Excellent communication skills

Oral, written, graphical

English

Geologic Mapping and Sampling

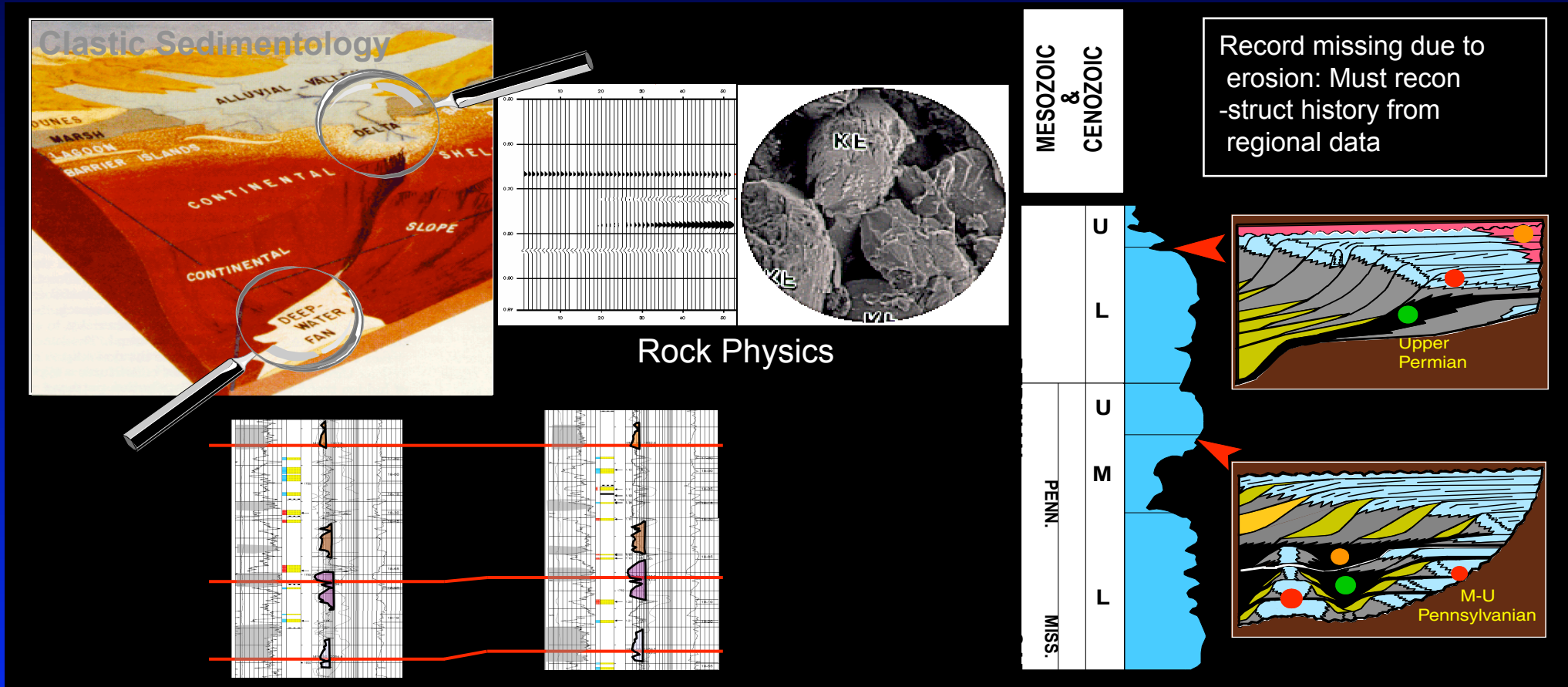
- Gravity
- Seismic Reflection
- Magnetics
- Geologic Mapping



Stratigraphy and Depositional Systems



Understanding the processes creating sedimentary units



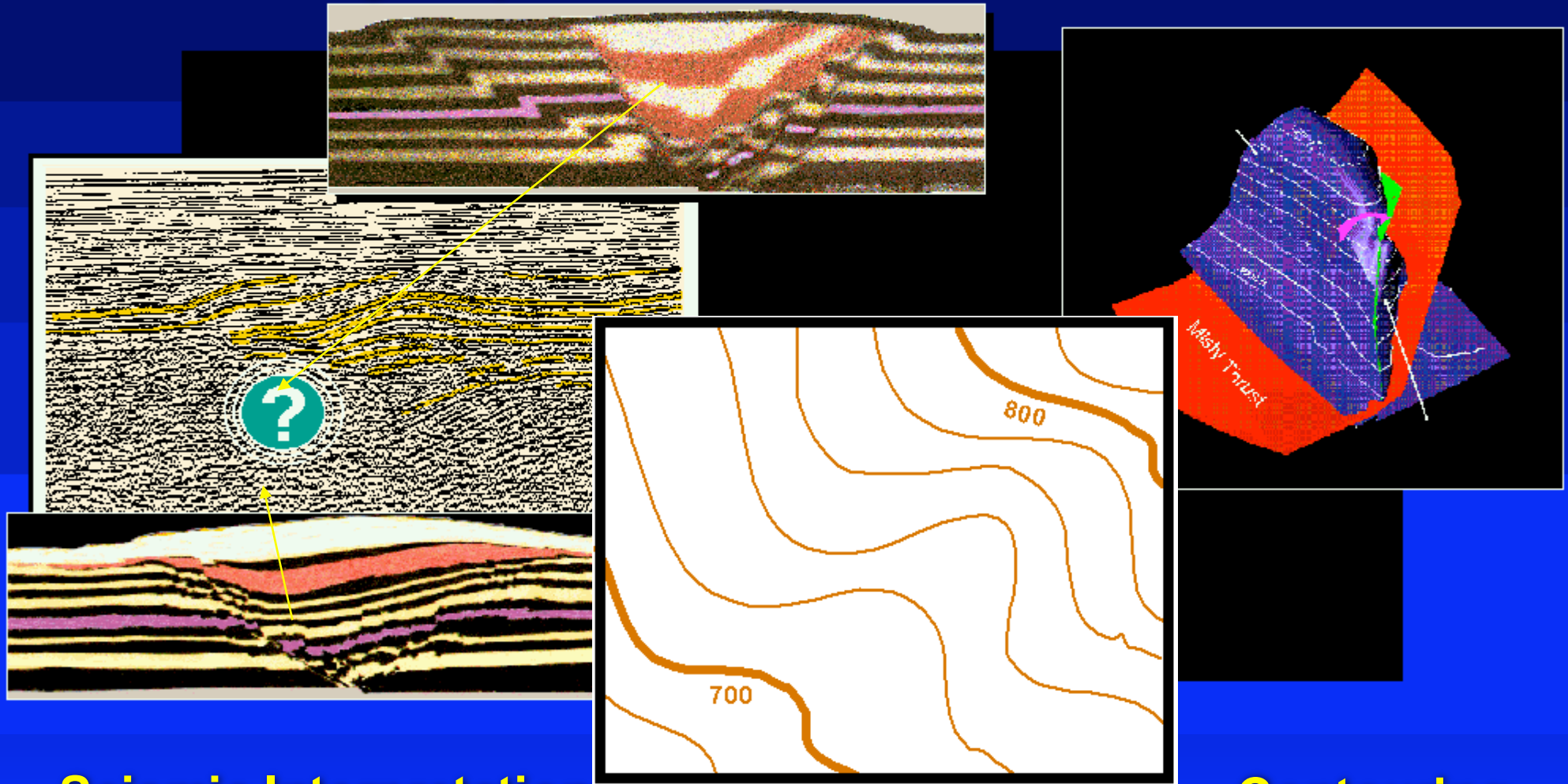
Log Correlation

Depositional Systems

Structural Geology



Understanding the process of deformation of the subsurface



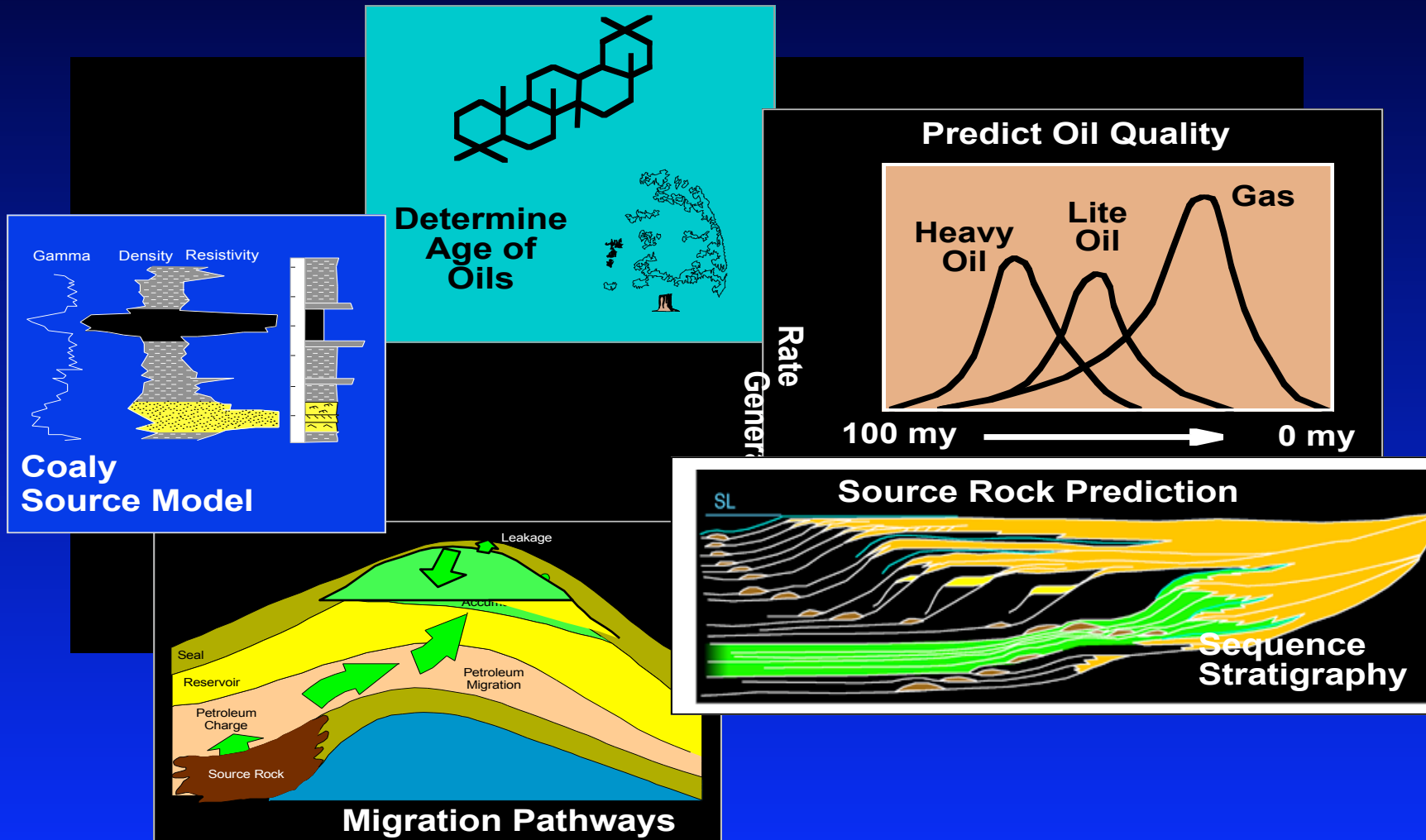
Seismic Interpretation

Contouring

Exploration Geochemistry

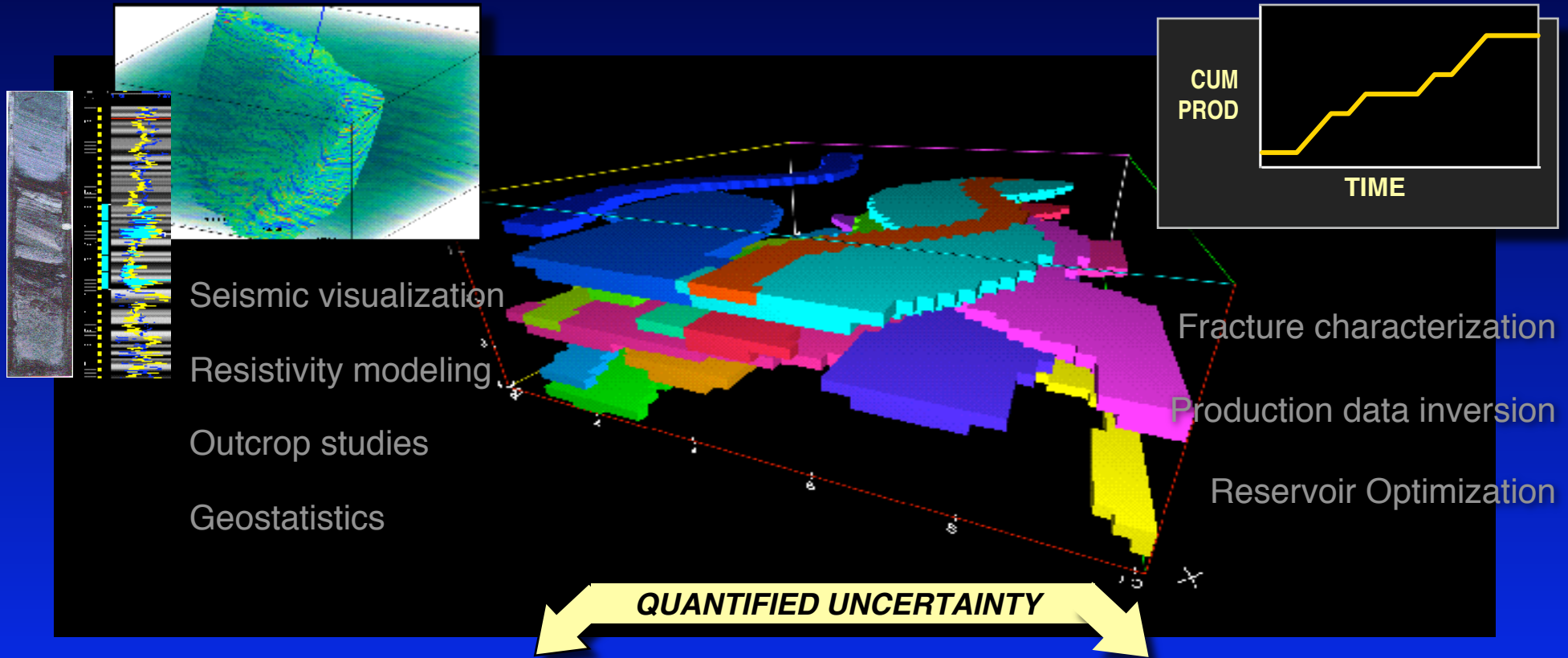


Characterizing the type, history and origin of petroleum



Reservoir Characterization

Reservoir Characterization focuses on data integration to model reservoir architecture and flow properties



Volumetric and reserve estimation

Reservoir simulation



Geoscience Foundation

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Physics

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COMPUTER SKILLS

- **PC skills Required**
 - Word Processing
 - Spreadsheet
 - Power Point
 - ArcGIS
- **Workstation**
 - Try to get exposure
 - Interpretation most important



COMMUNICATION SKILLS



**Must be able to Present Your Work
In English**

Successful Geoscientists



Love Geology

Creative Problem Solver

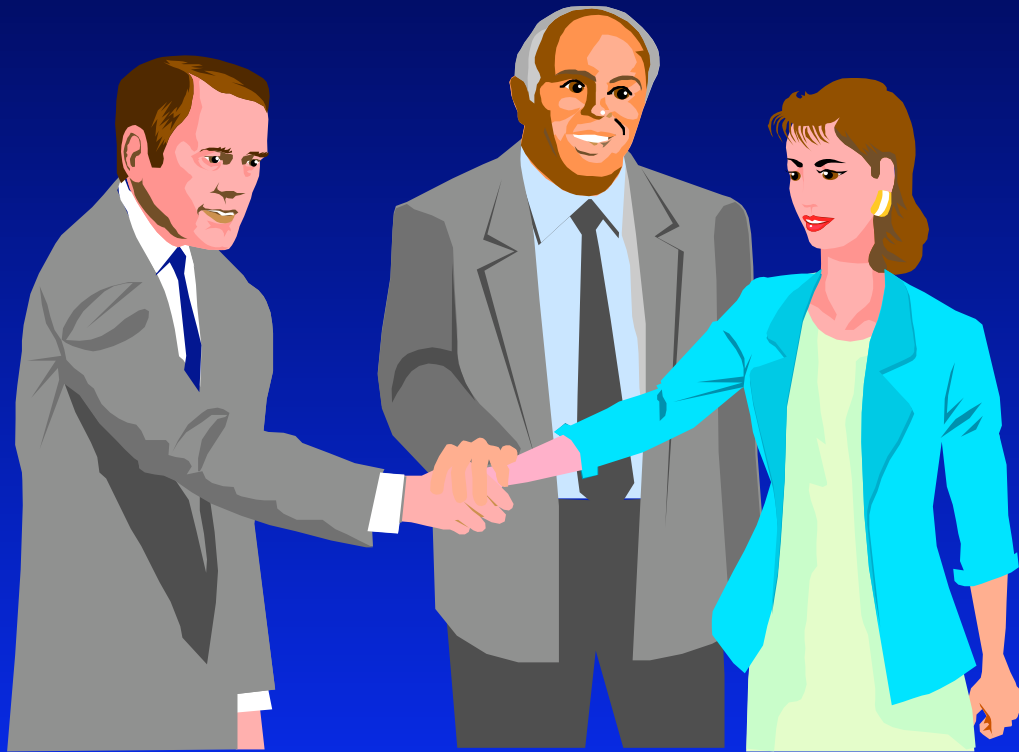
Win-win attitude

Team player

Perseverance and flexibility

Realistic appraisal of career market

Professionalism Professionalism Professionalism



- Initiative
- Ethics and Integrity
- Enthusiasm
- Adaptability
- Cooperation
- Team Work

Essential Job Market Skills



Job Market Expectations

Corporate Recruiters Assume:

You have a Solid Geoscience Foundation

You have a strong background in Math/Computers

And That You Are

Self-motivated

Team Player

Excellent Communicator

Professional

Job Market Expectations



Corporate Managers Require

Immediate Impact

Bottom Line Focus

High Productivity

Continuous Training

Creative Problem Solving Skills

Professionalism

AAPG



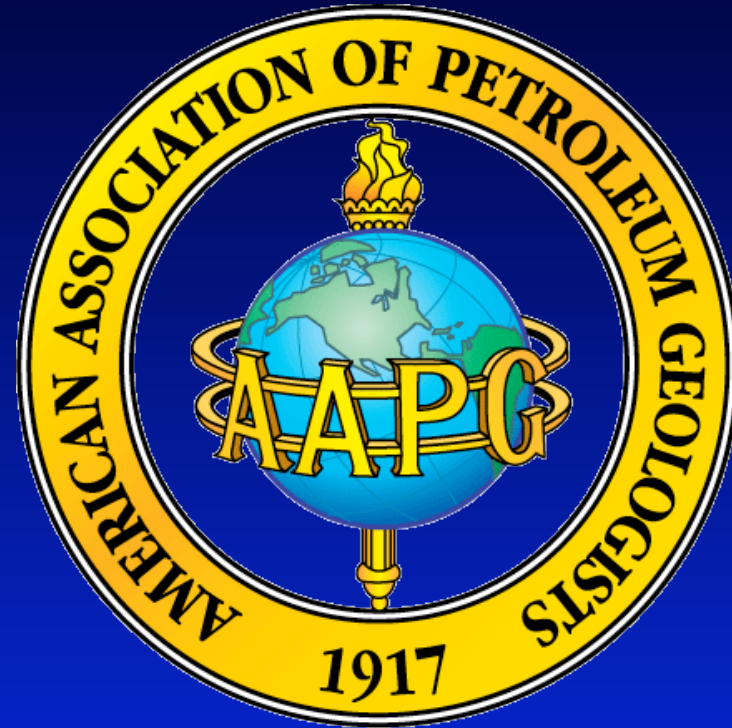
Professionalism

Cost of Student Membership



\$0.00

Student Membership



www.aapg.org

STUDENT CHAPTER ACTIVITIES

- Distinguished Lecturers from AAPG and Industry
- Short Courses and Seminars
- Field Trips
- Exhibits at Conferences
- Other Events: on Campus & off Campus

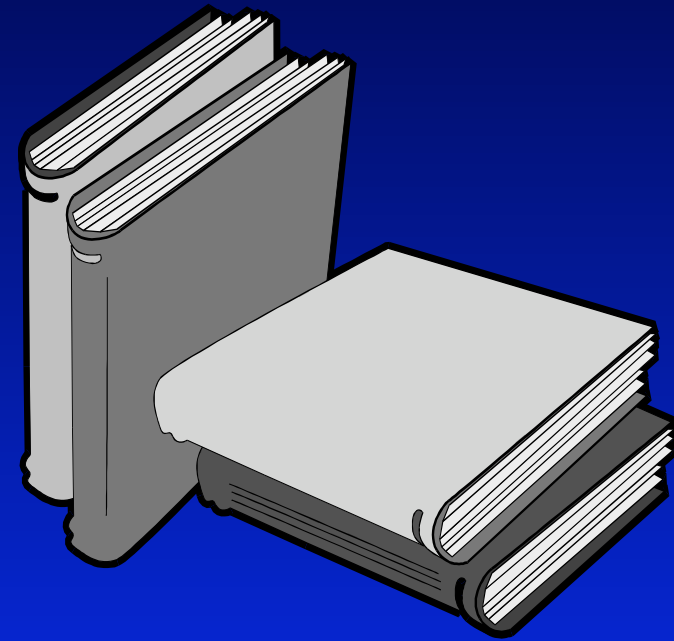


Univ Sriwijaya geophysical survey in Sumatra



AAPG STUDENT BENEFITS

- **Great Publications: Bulletin, Explorer**
- **Books, Books, Books**
 - Publication Pipeline
 - Discounts on AAPG Books
 - \$500 Book Gift (3 yr cycle)
- **Grants-in-Aid for Grad Study**
- **Weeks Grants (SC and student)**



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Students@aapg.org



WEEKS GRANT

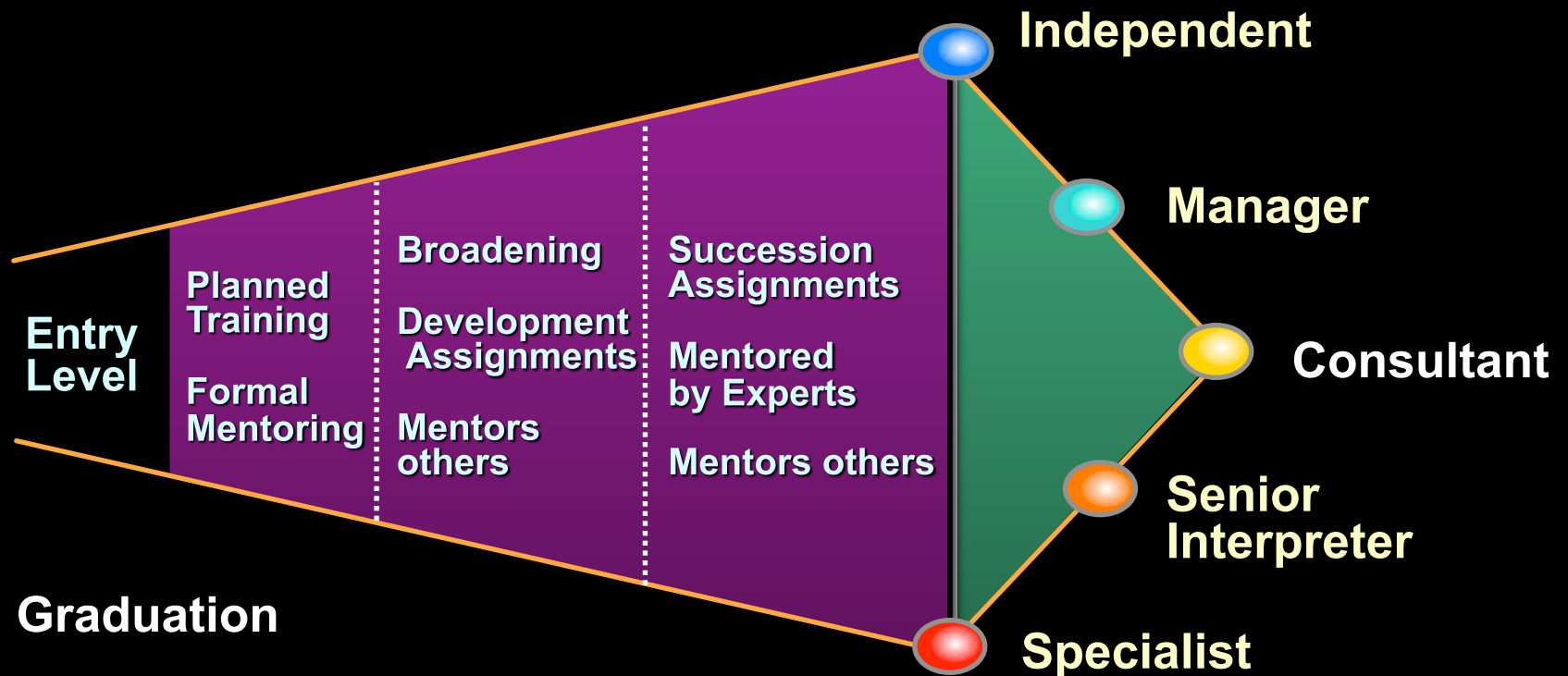
\$500/yr for Chapter

\$500/yr for Student

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Geoscience Professional Development



Now is the Time to Start Building Your Career

You Only Have



A Solid Foundation

Career Strategies

- Set Goals –
 - Direction
 - Timing
- Prepare to Compete
 - Stay Versatile
 - Be Patient
- Network
- Keep Growing
 - Find, use a Mentor
 - Develop New Skills



AAPG Can Help You

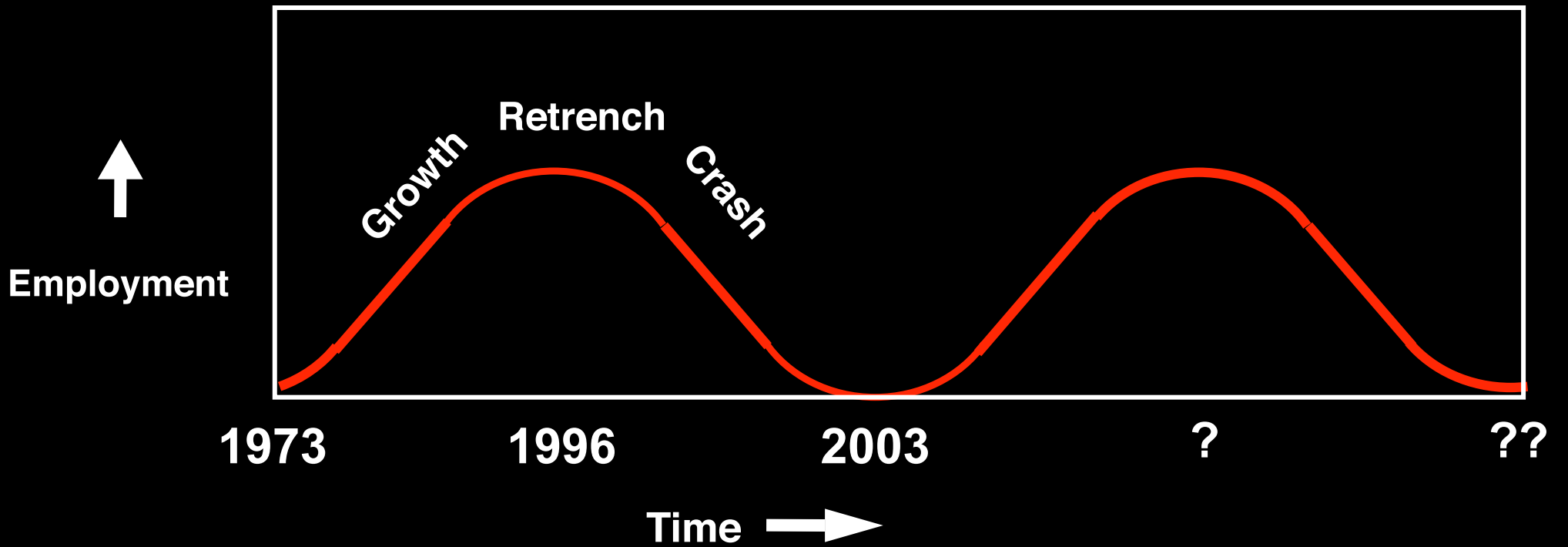


Build and Manage Your Career



Cyclic Job Market

Typical of Today's Global Industries

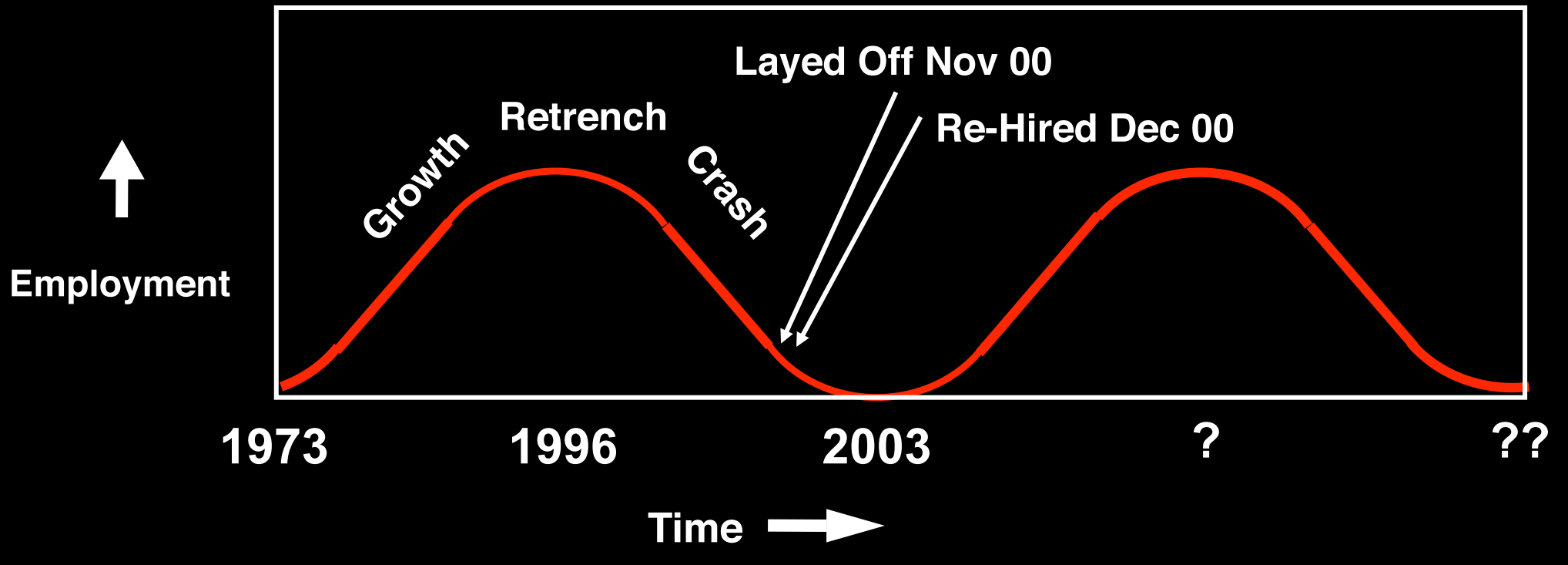


The Business Cycle



Cyclic Job Market

The Better Professional You Are



The Better Your Career Potential

Join Professional Societies



Geological Society of Thailand

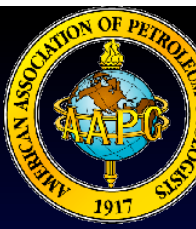
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SEAPEX

- **Learn more about your career**
- **Increase your knowledge**
- **Exposure to leaders in science and industry**
- **Expand organizational, & management skills**
- **Network – interaction with peers**
- **Helps you throughout your career**

Professional Societies

Don't Just Join - Participate



- **Attend Meetings**
- **Give Papers / Posters**
- **Seek Mentors**
 - **Serve on Committees**
 - **Volunteer**



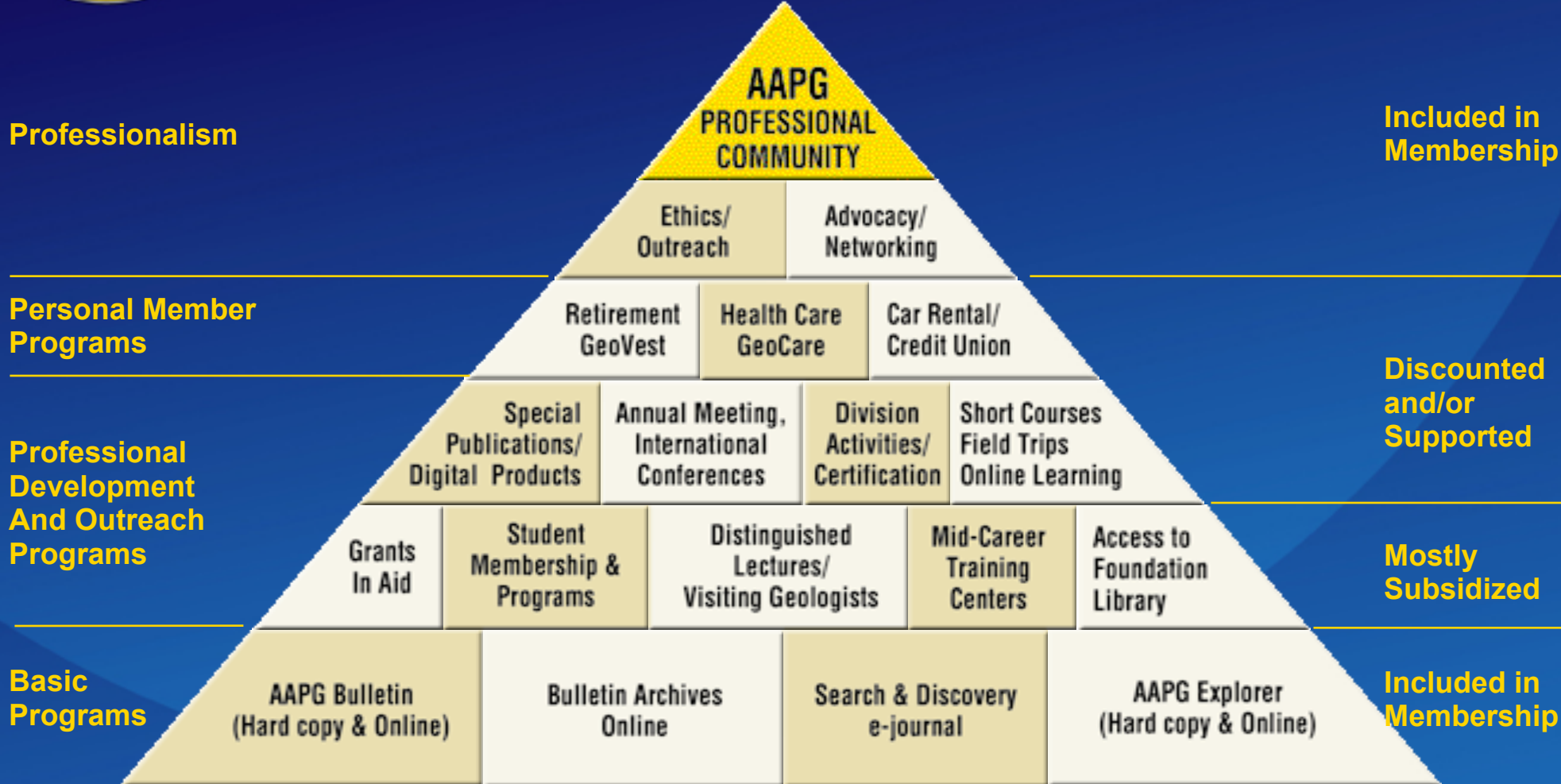
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Professional Standing & Recognition

- Code of ethics
- Recognized as a trained professional
- Professional certification available
- Networking opportunities
- Present your work at meetings & conventions
- Regional & international contacts & events
- Honors & Awards



Membership Value Pyramid





It Is Your Career

Manage It Well

Good Luck