Week One Review • Information systems (IS) consist of all components that work together to process data and produce information • Components of an IS

-Input -Data processing -Output -Storage

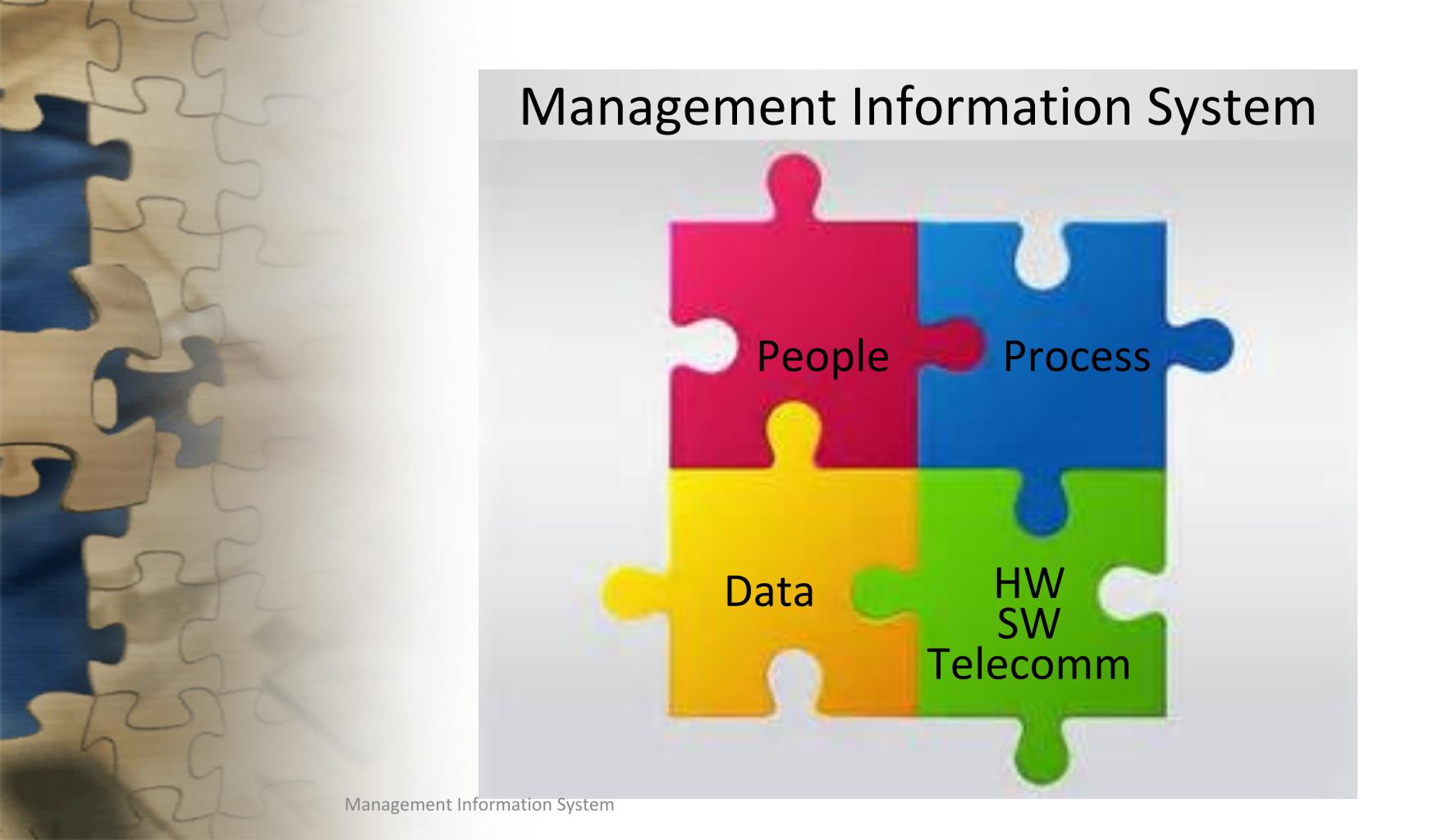
Week One Review

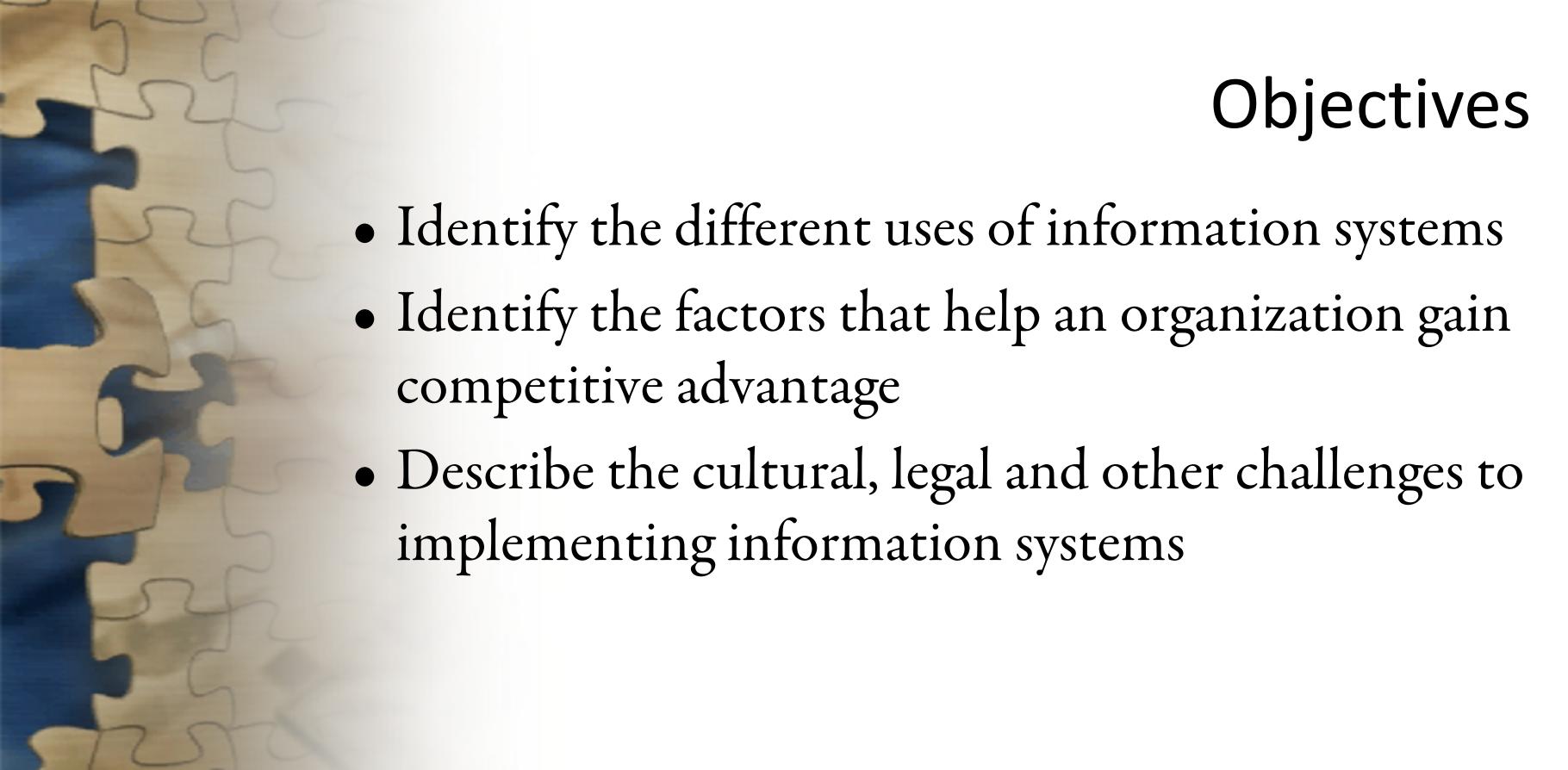
• Four stages of processing

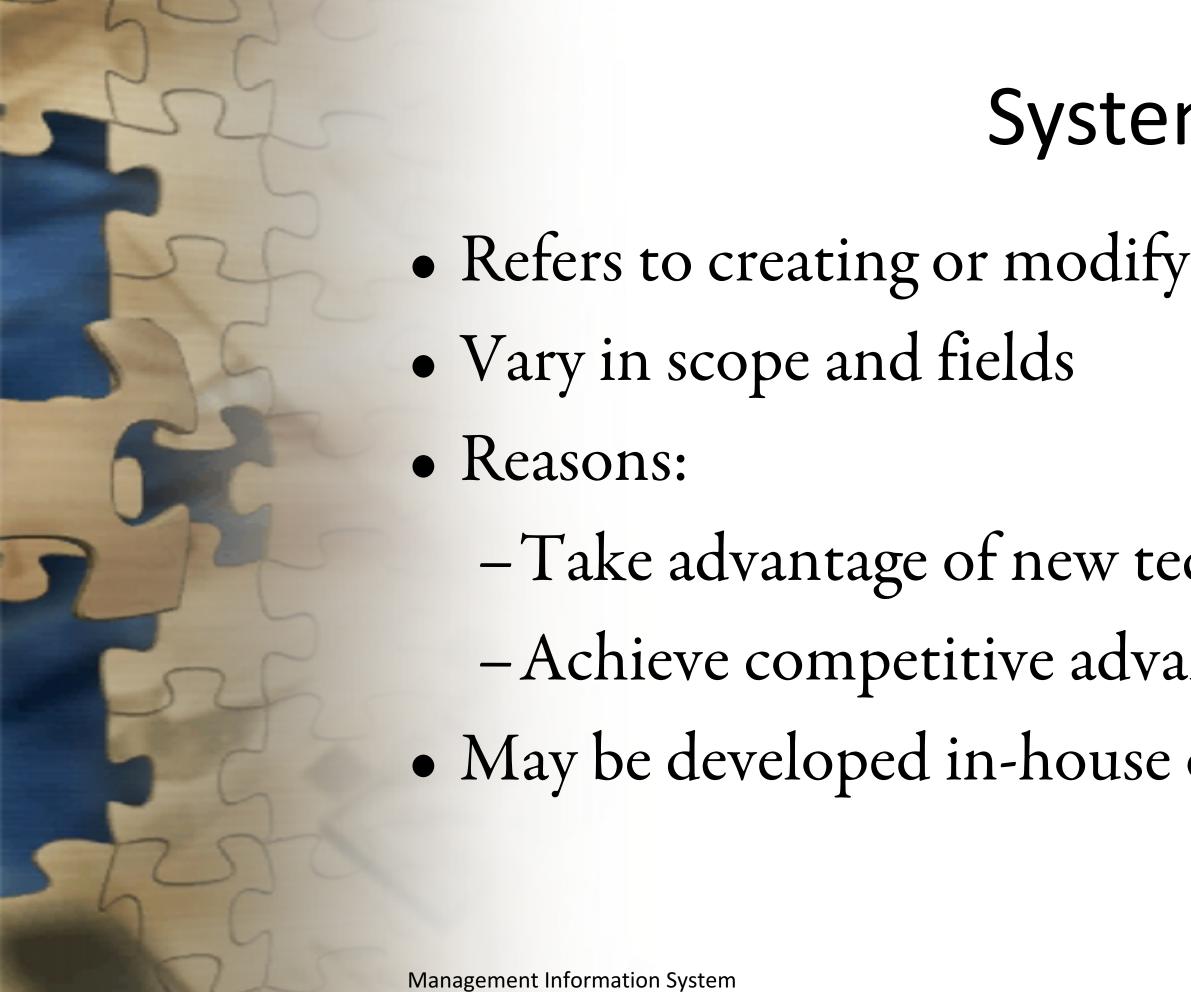
• Types of IS

Week One Review • IS in business functions • Careers in IS -Systems Analyst, Database Administrator, Network Administrator, Webmaster, Chief Security Officer, Chief Information Officer & Chief Technology Officer









Systems Development

• Refers to creating or modifying IS

- Take advantage of new technologies
- -Achieve competitive advantage
- May be developed in-house or out-sourced

Systems Development

• SYSTEMS INVESTIGATION

Understand problem

• SYSTEMS ANALYSIS

Understand solutions

• SYSTEMS DESIGN

Select and plan best solution

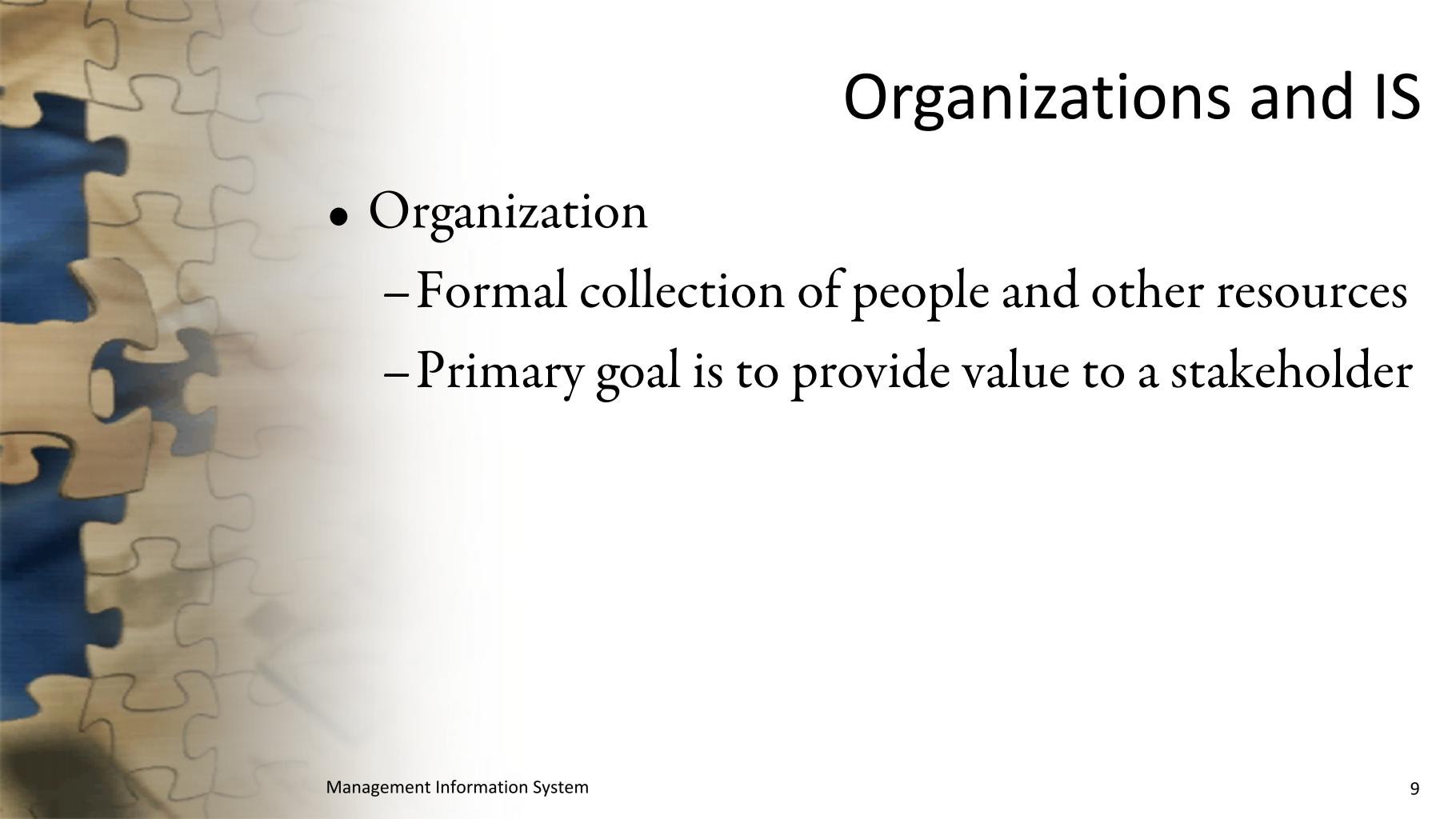
• SYSTEMS IMPLEMENTATION

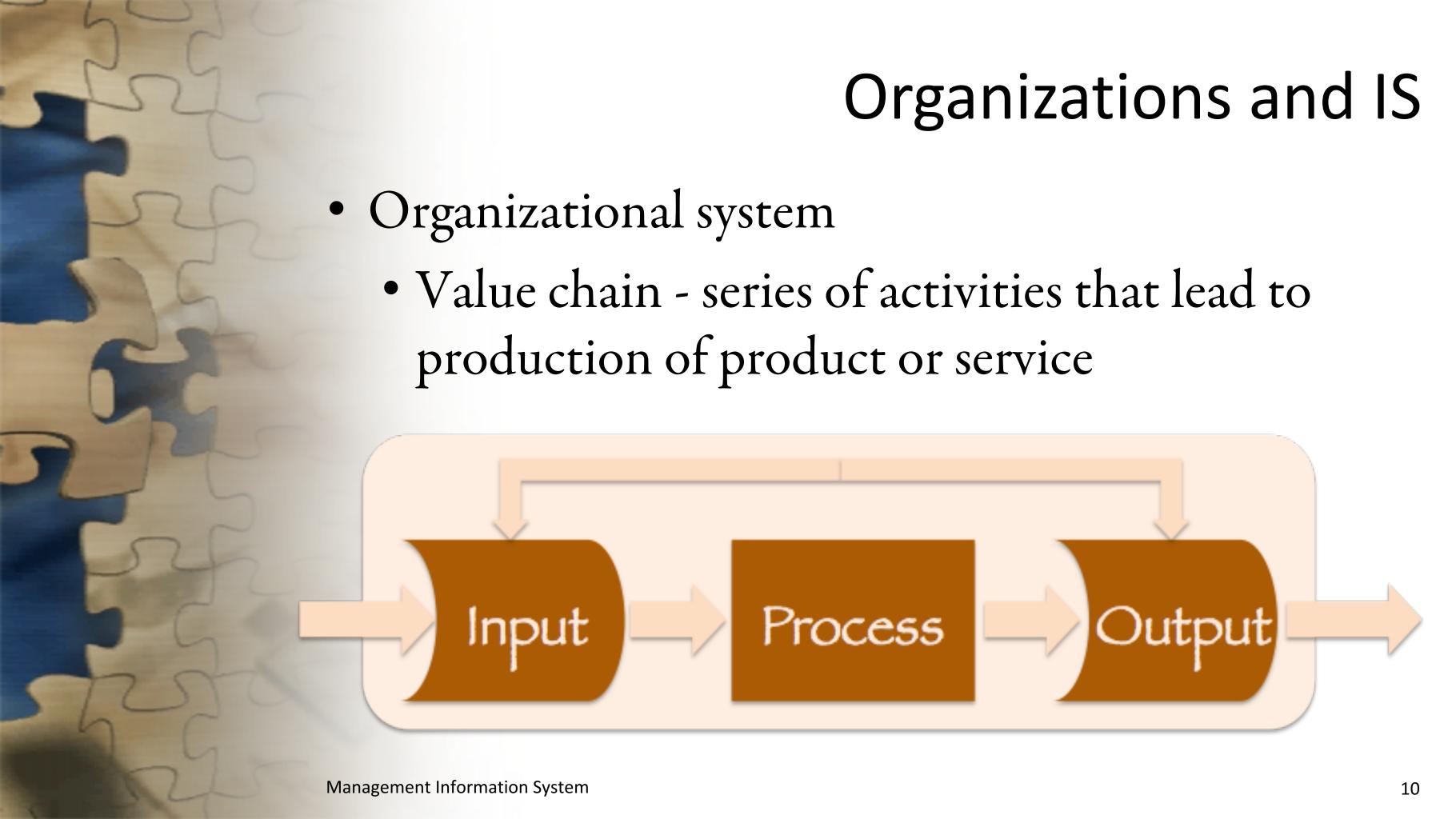
• Place solution into effect

• SYSTEMS MAINTENANCE AND REVIEW

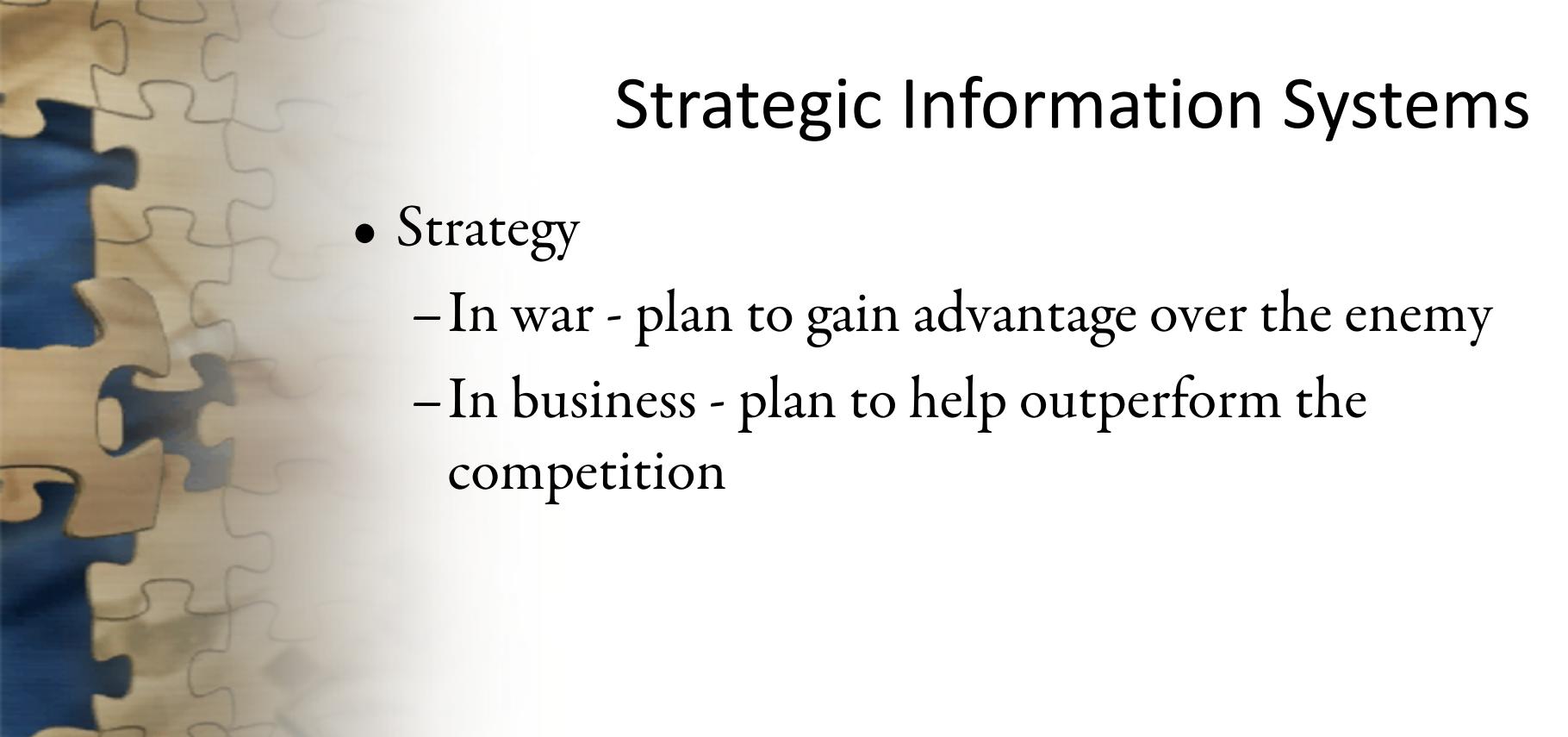
Evaluate results of solution

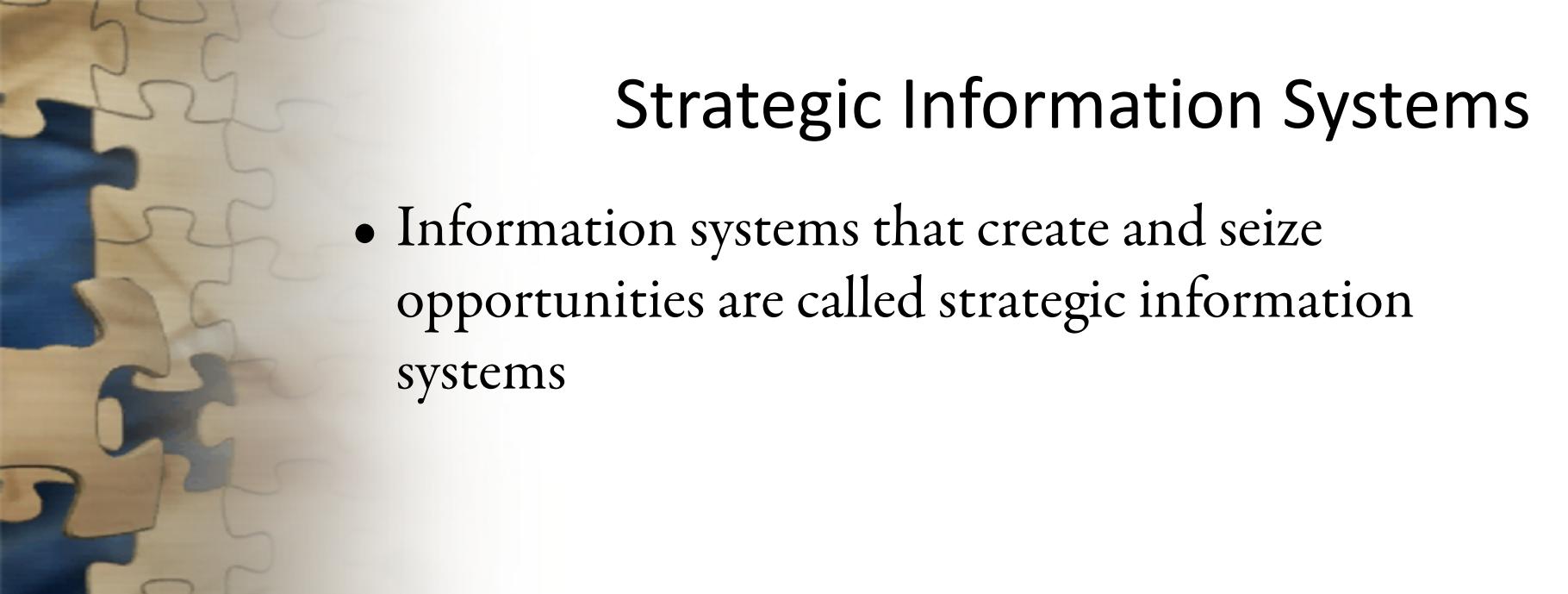
Management In tion System

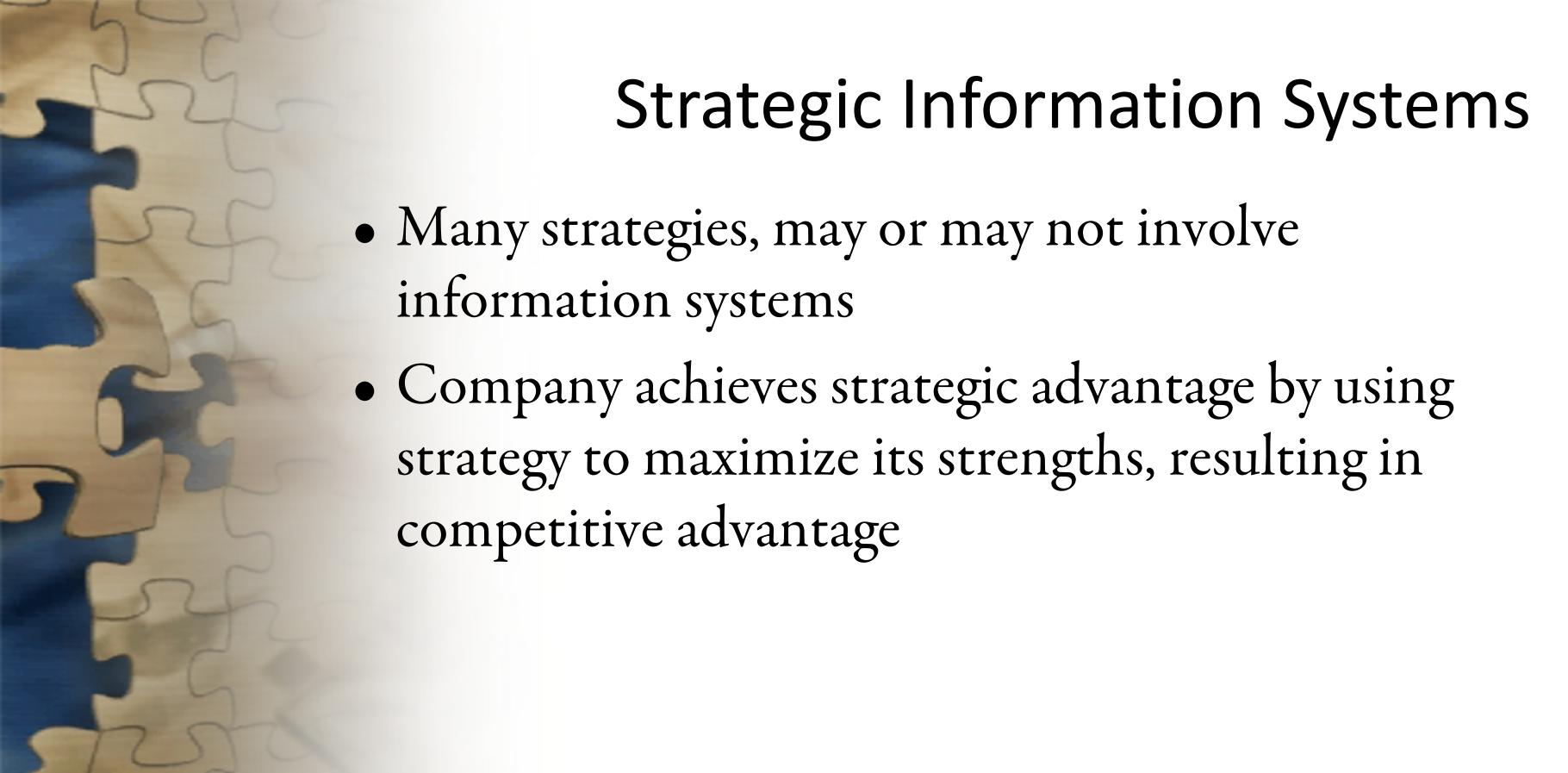


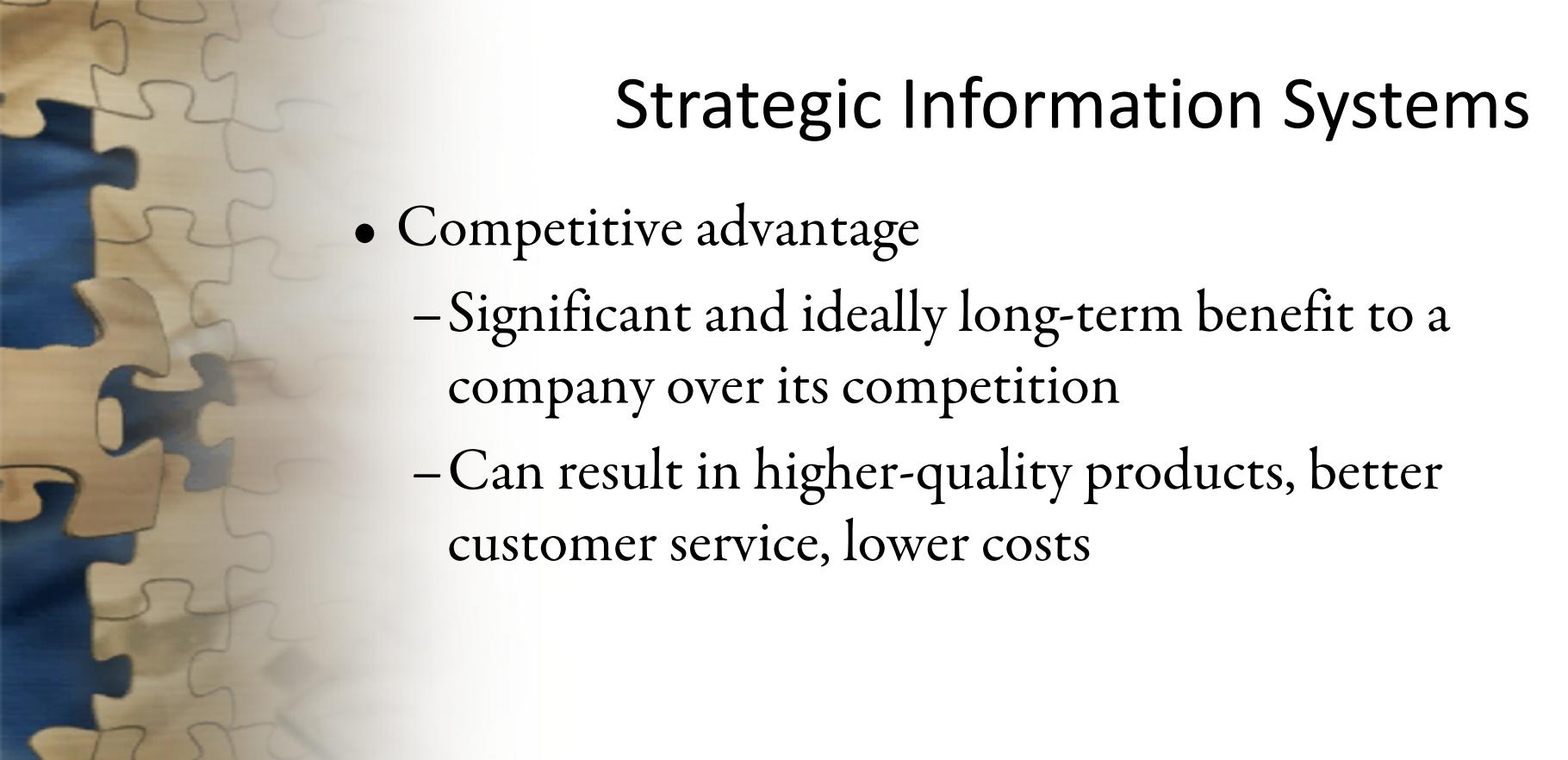


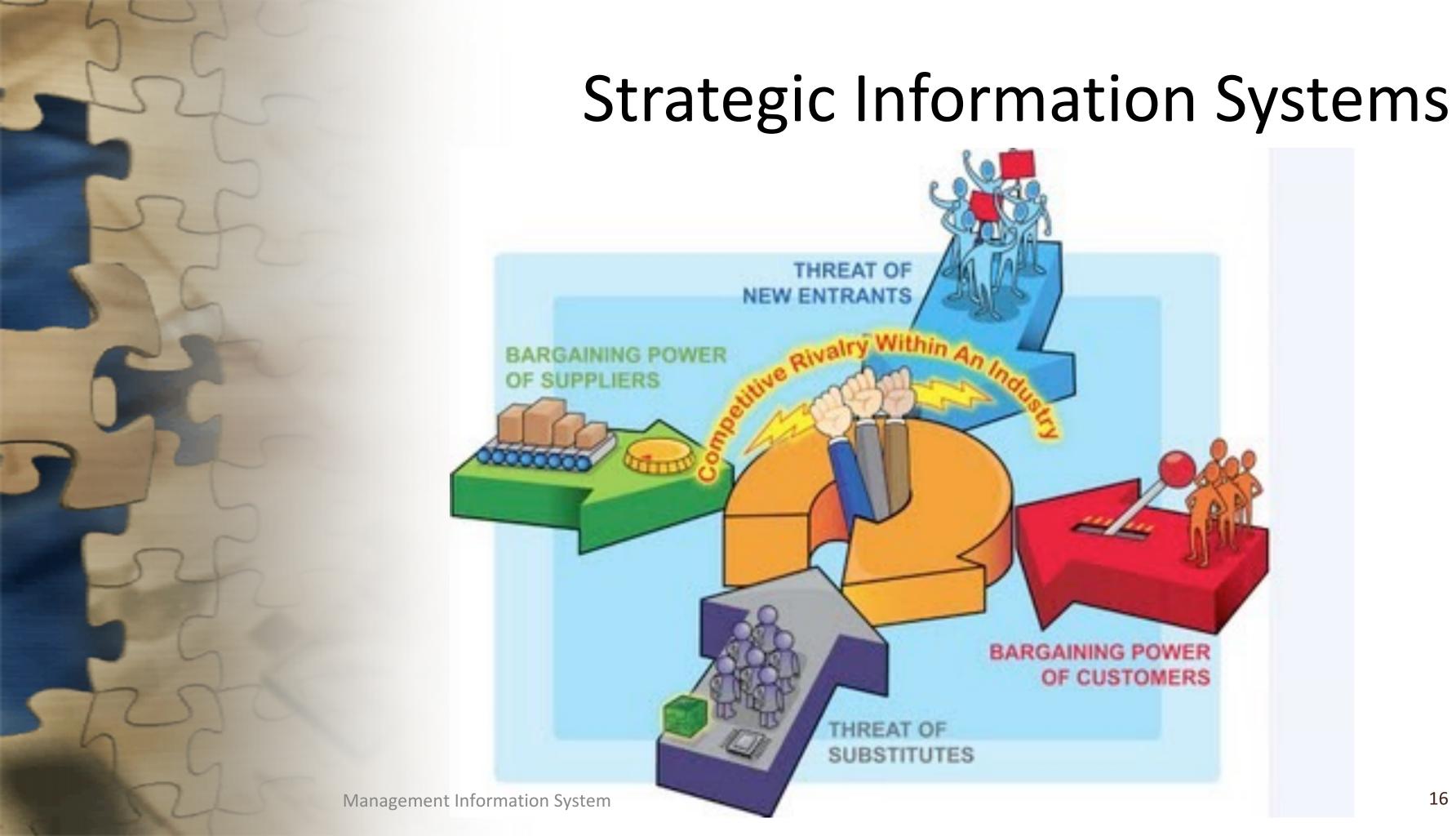
Organizations and IS Organizational system Supply chain and customer relationship management Output Input Process **Management Information System** 11

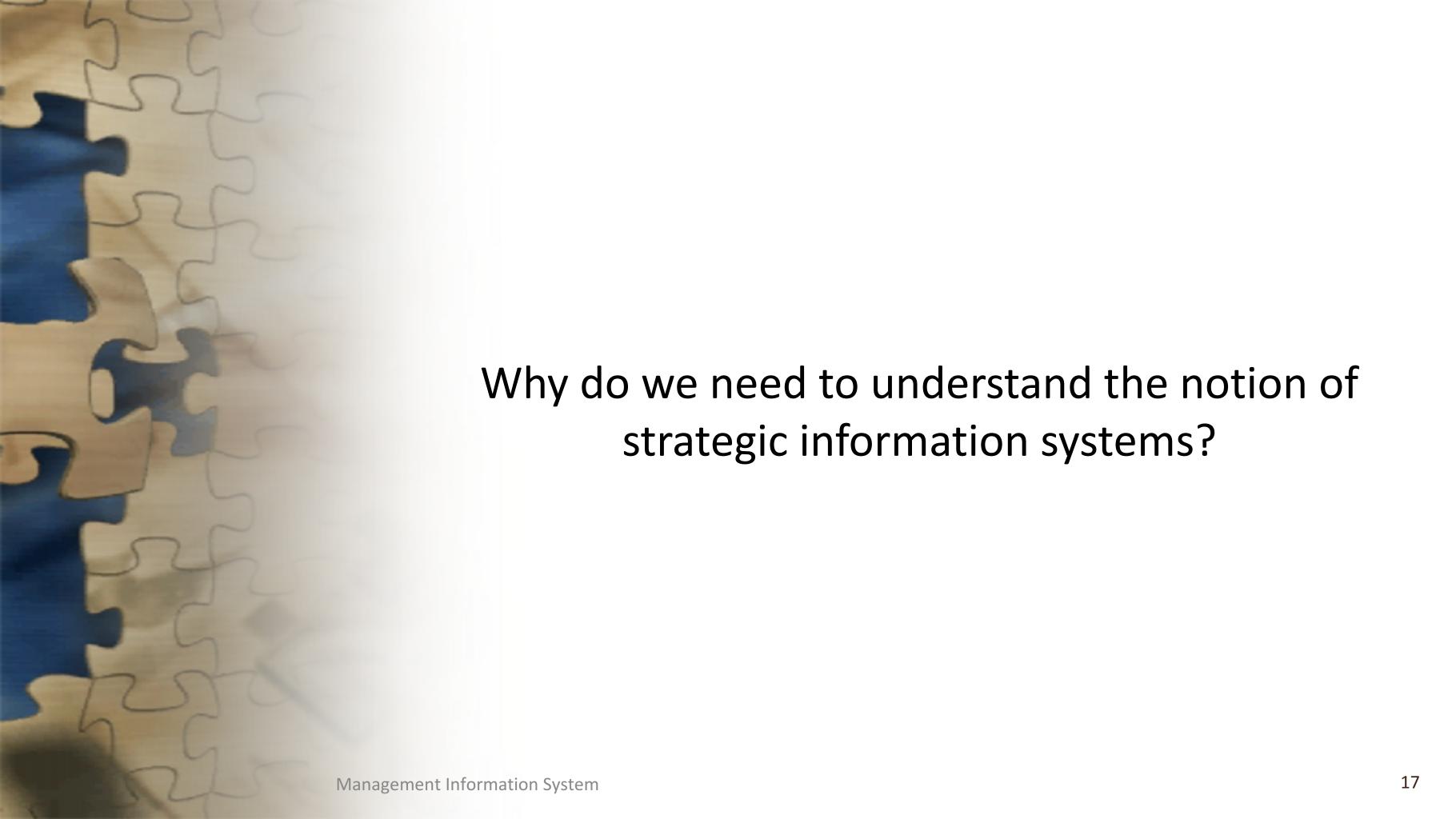


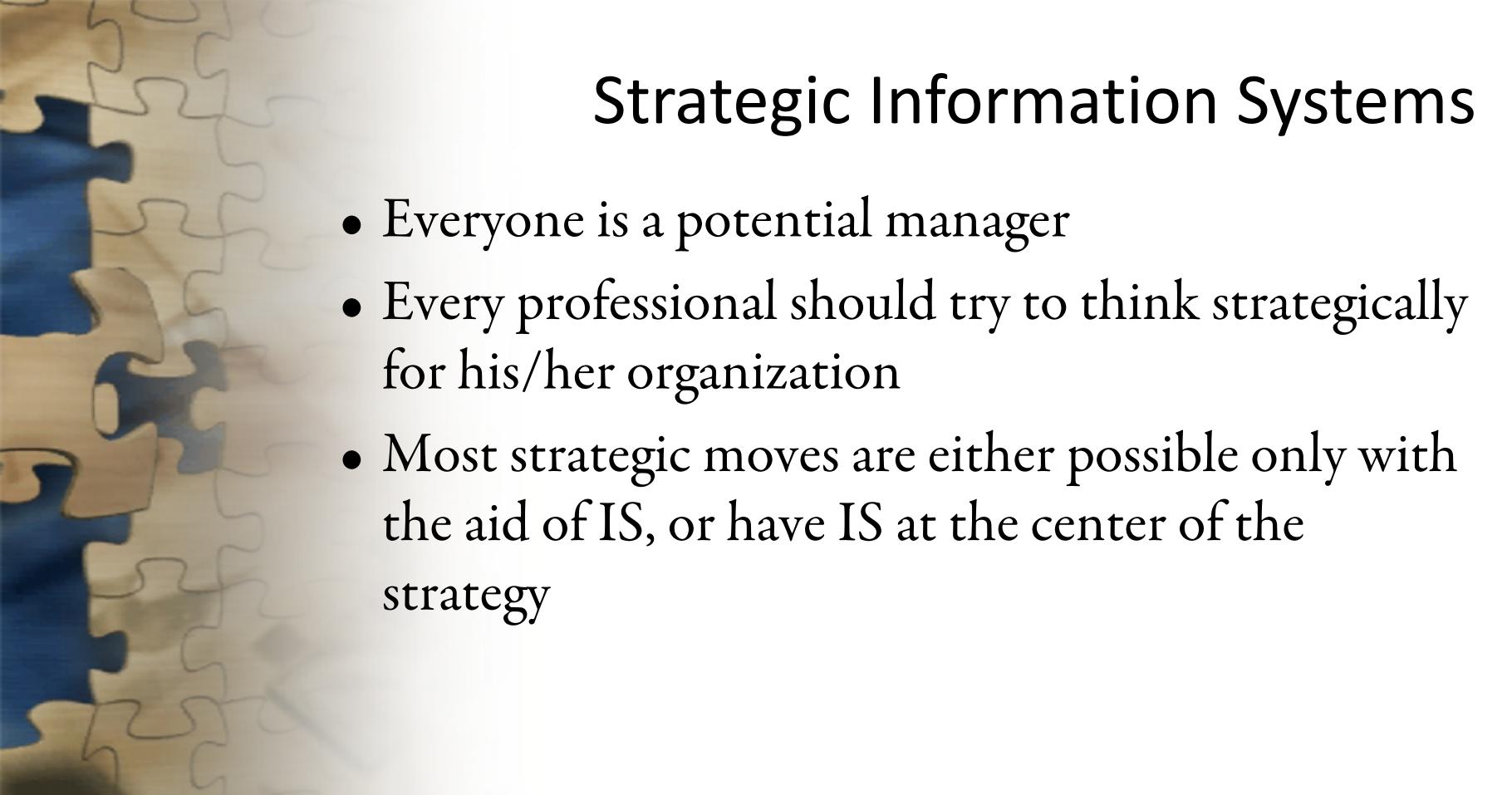








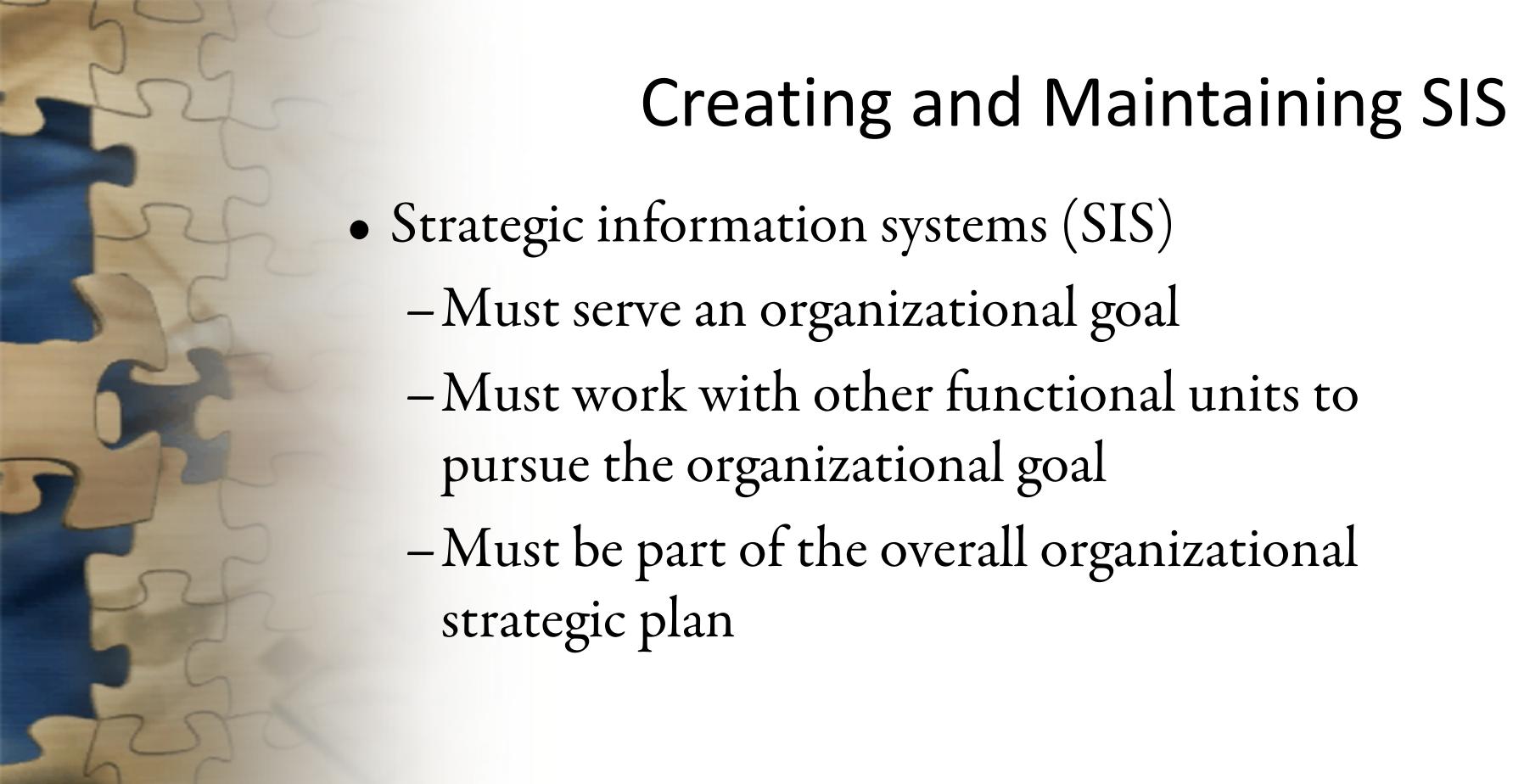


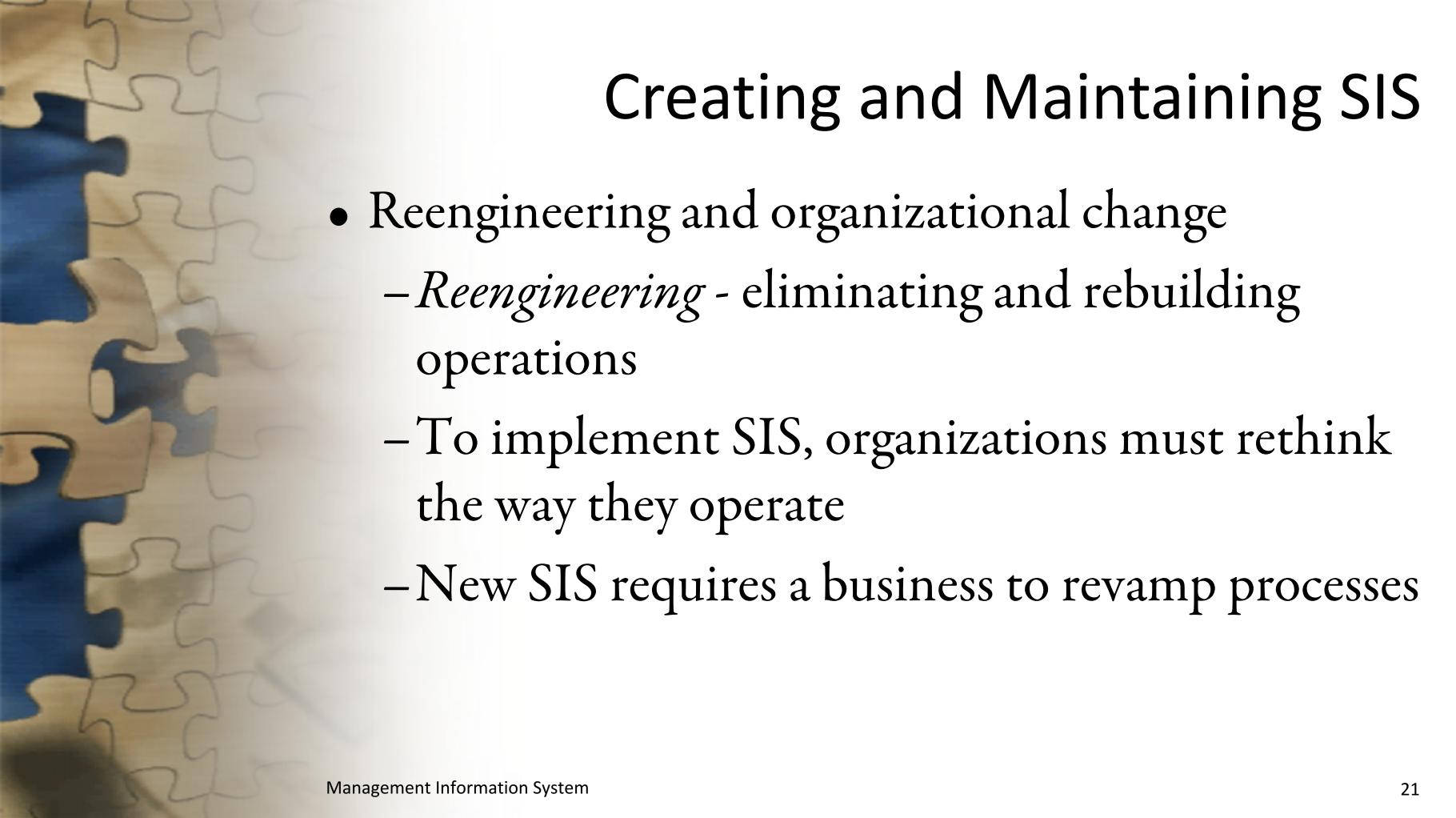


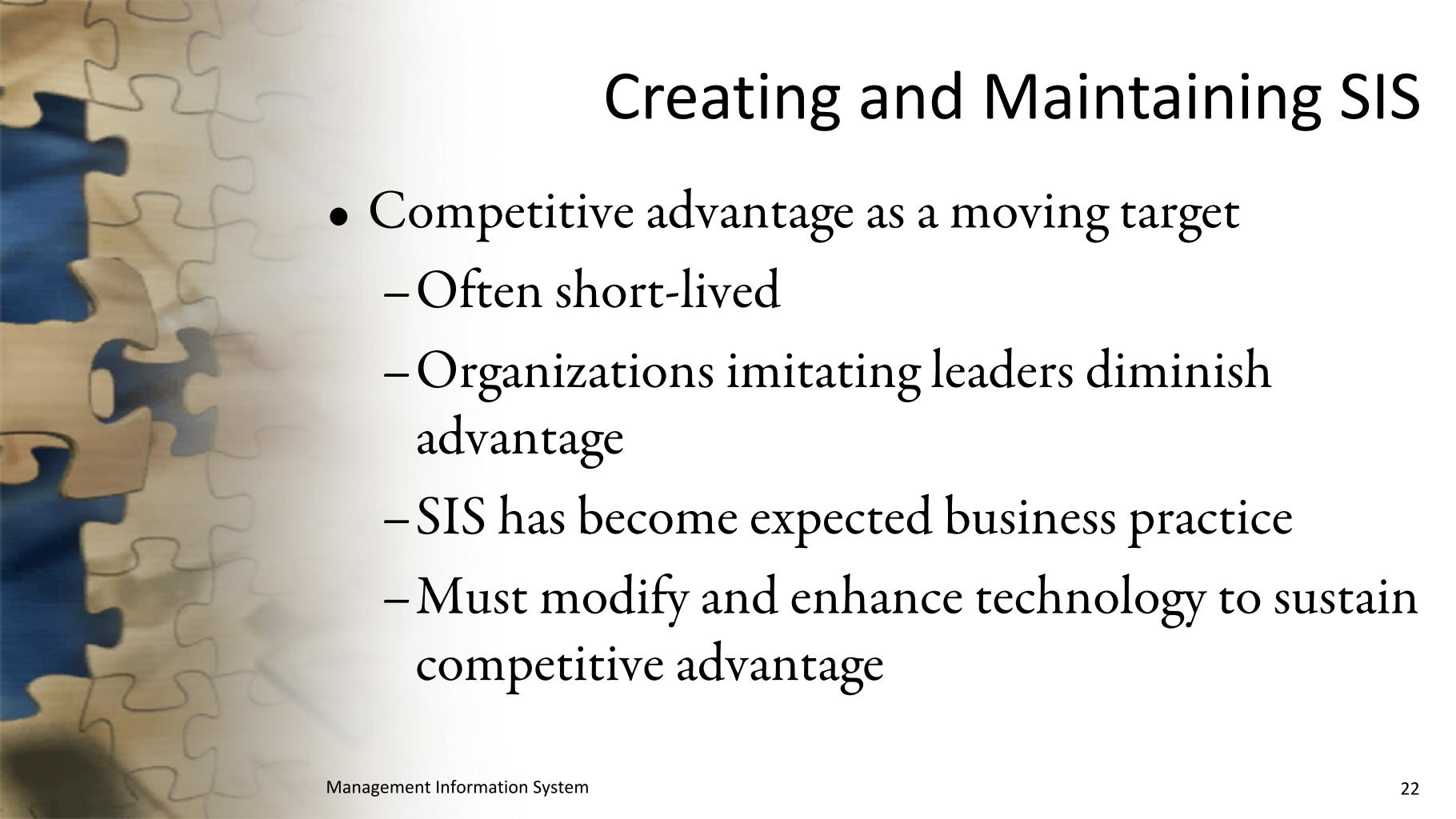


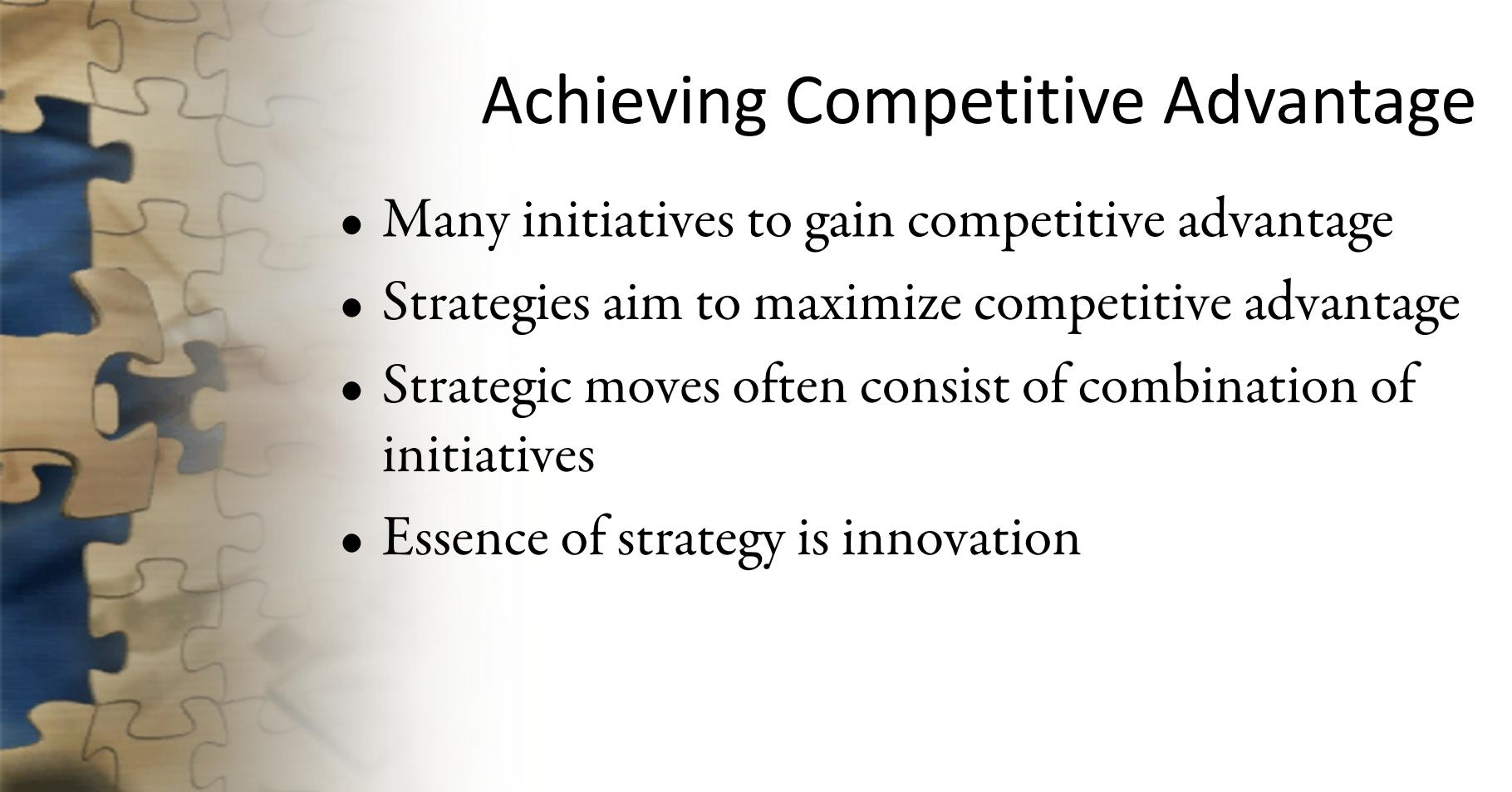
Creating and Maintaining SIS

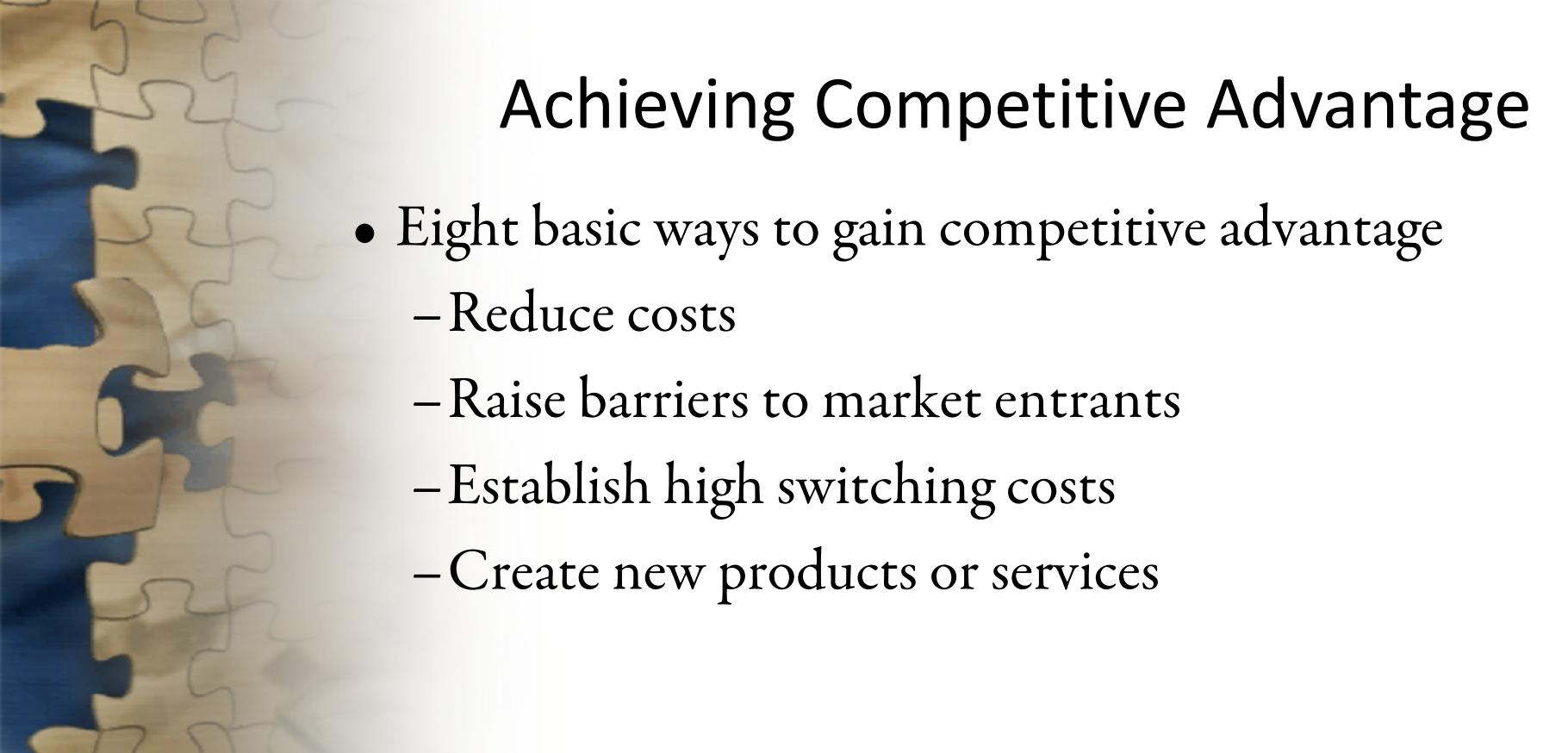
- Strategic information systems
 - -any IS that can help an organization achieve a long-term competitive advantage
- SIS combine two types of ideas:
 - -Ideas for making potentially winning business decisions
 - -Ideas for harnessing IT to implement the decisions

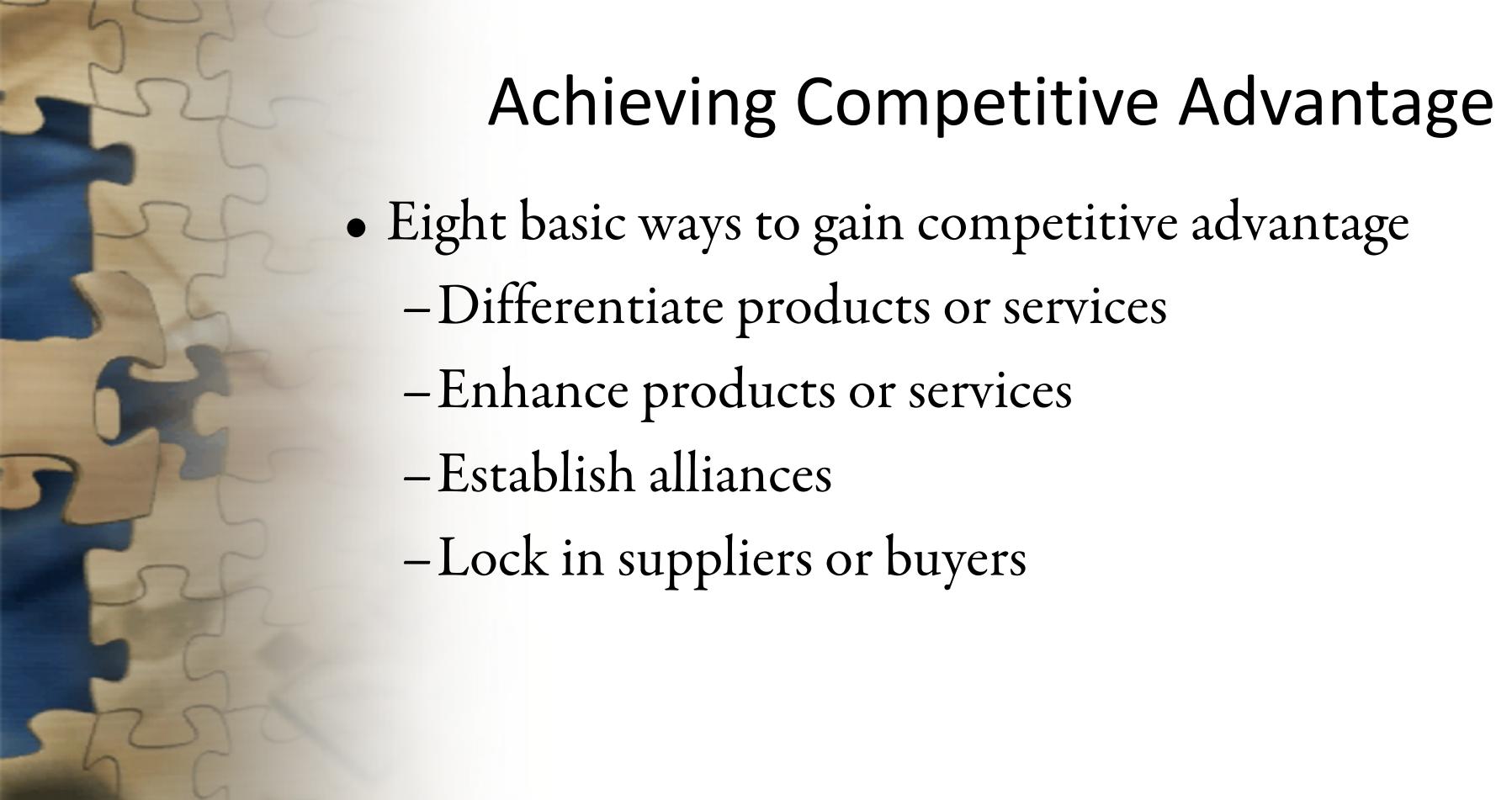


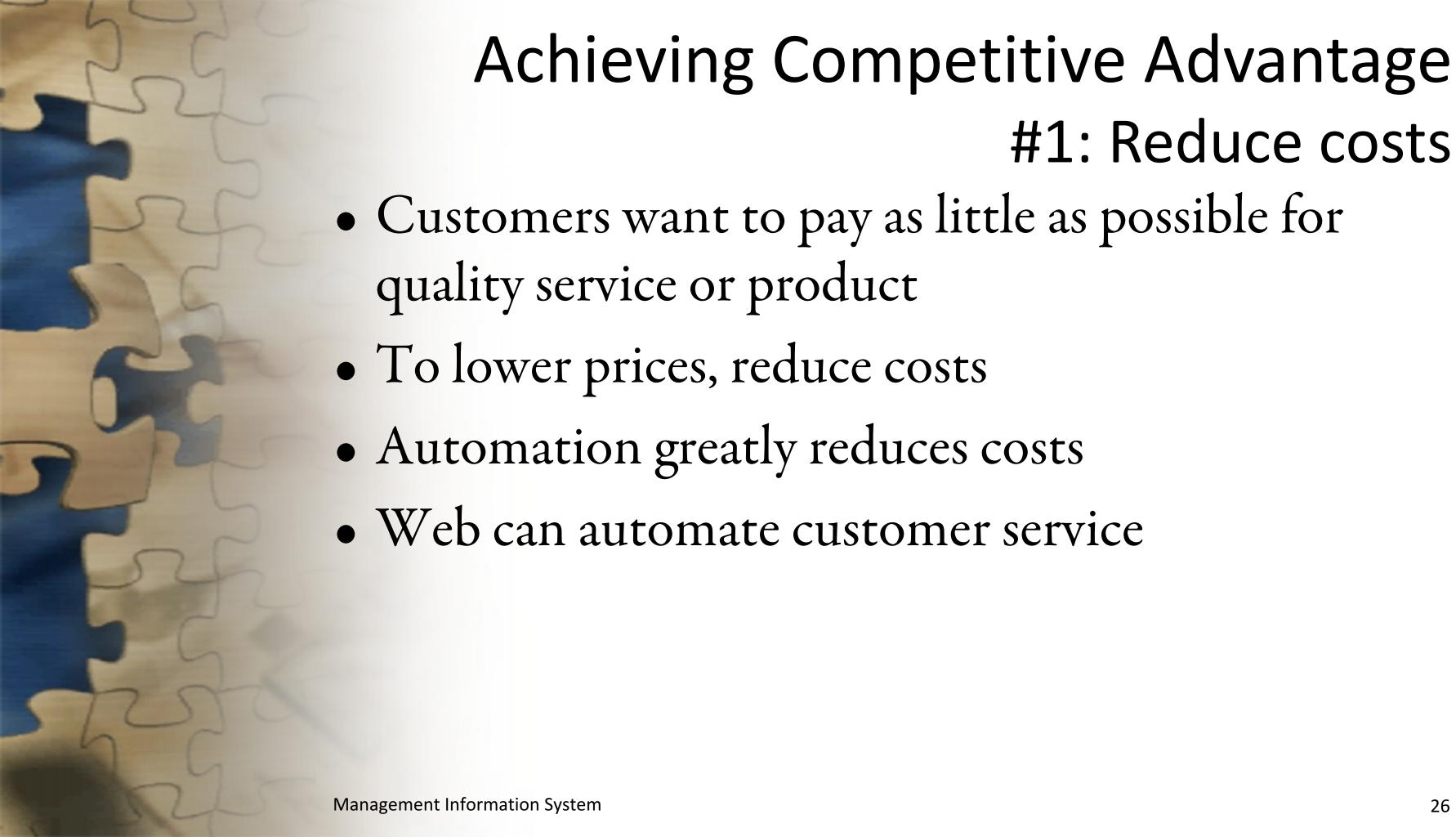


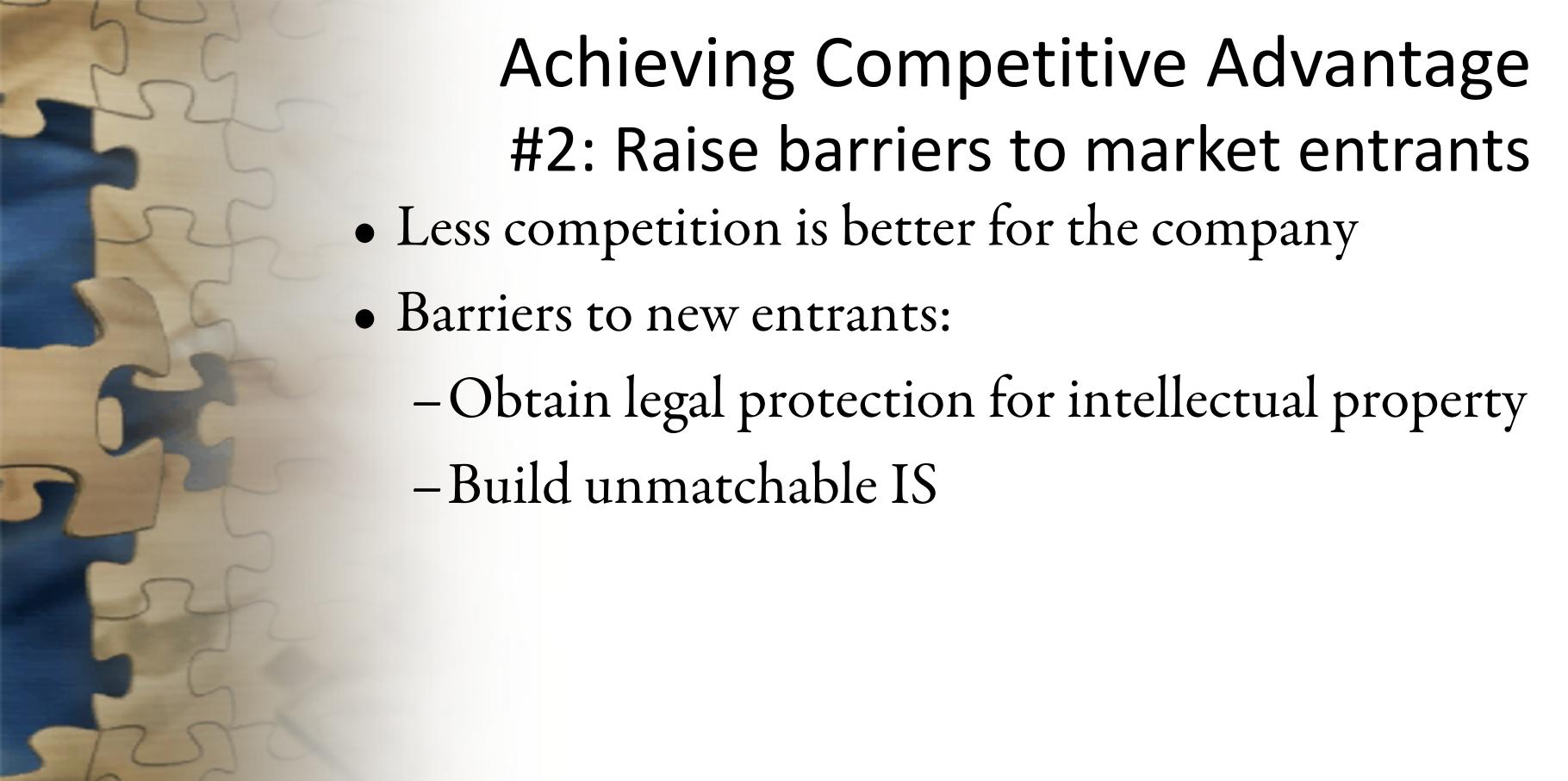


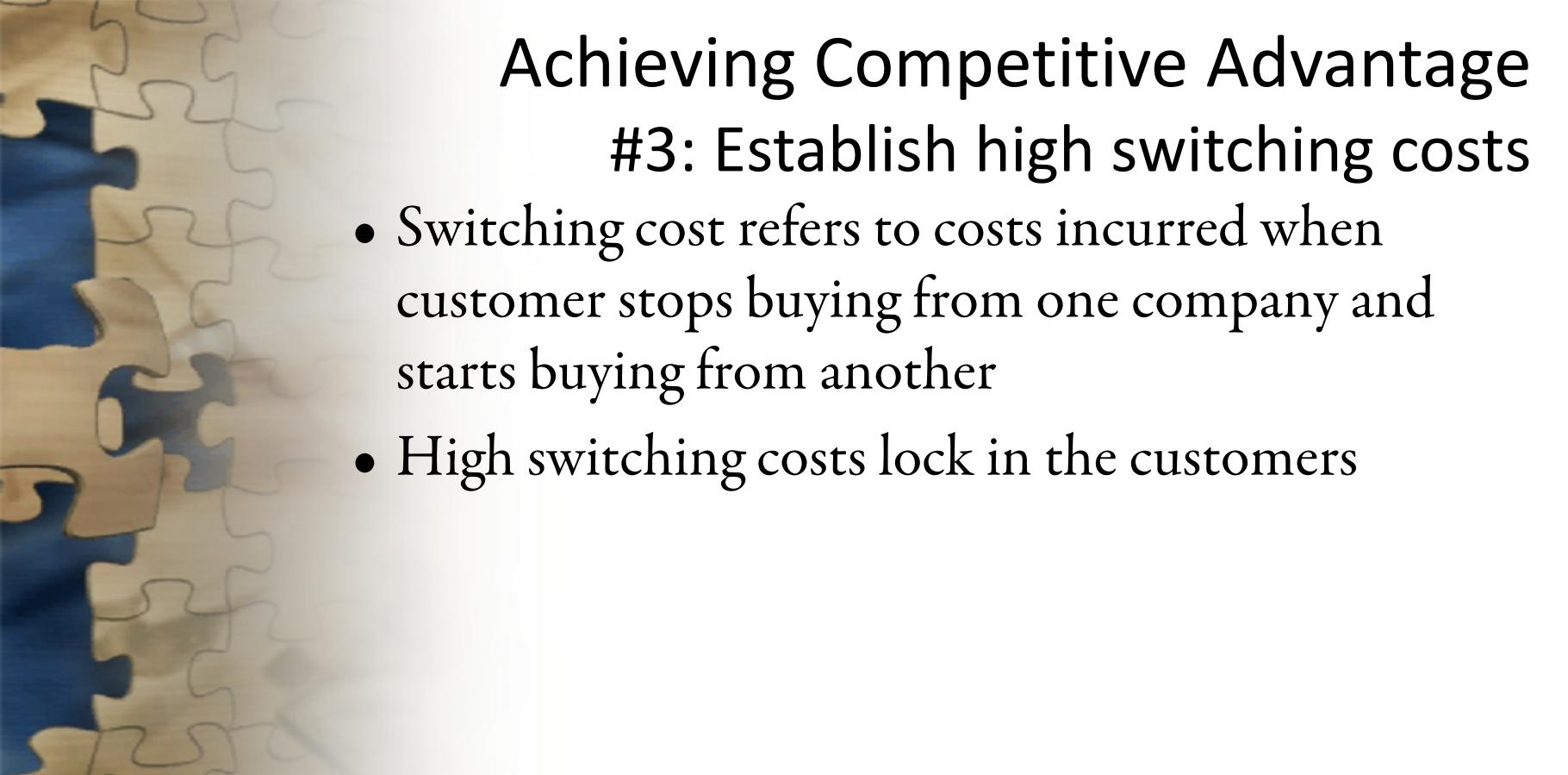


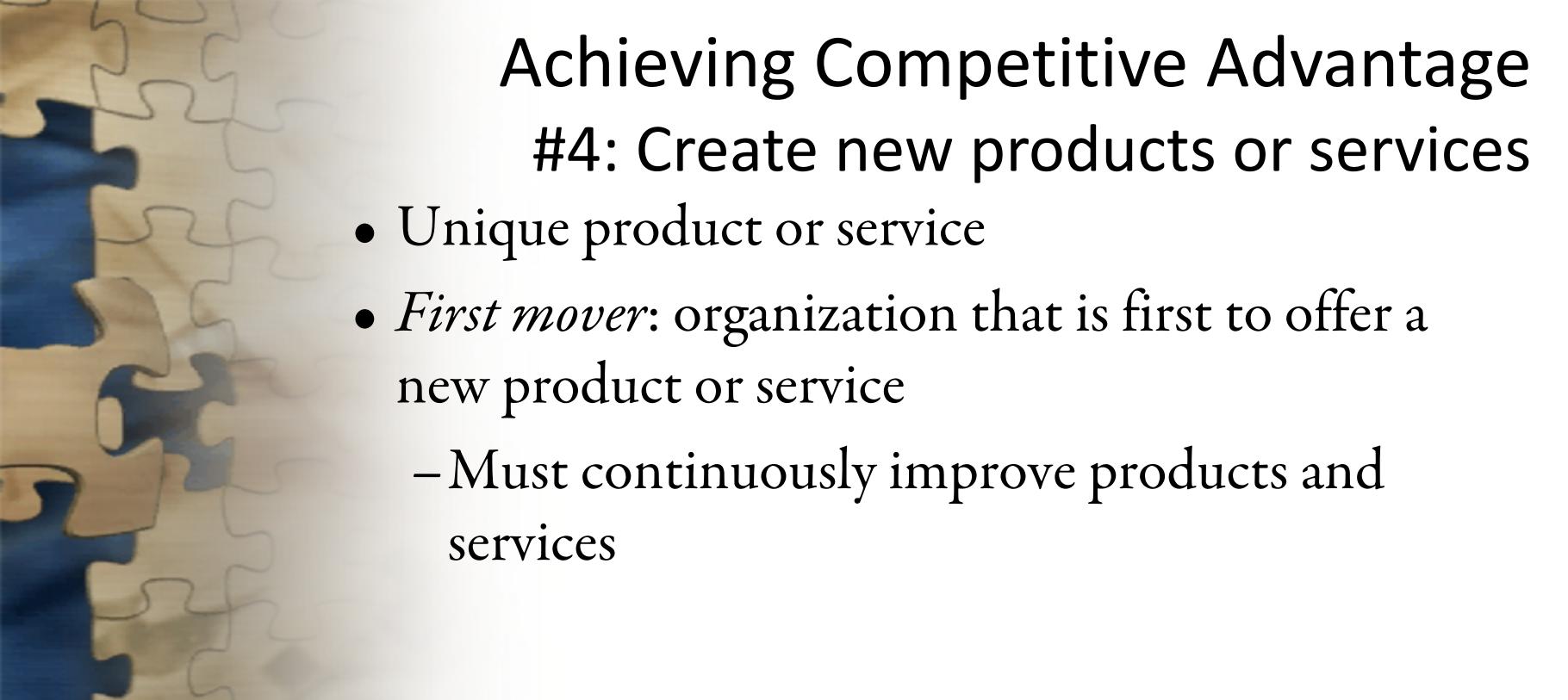




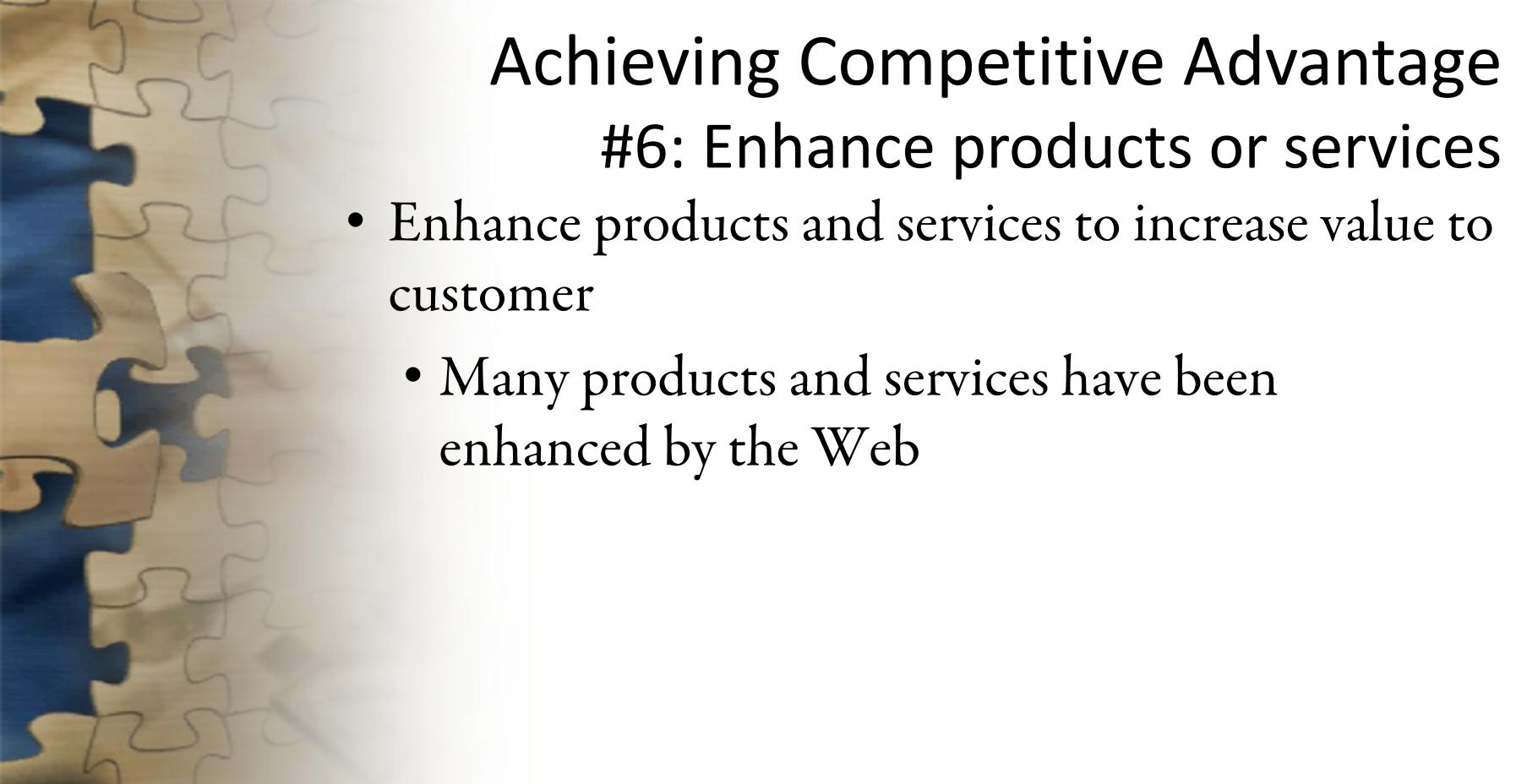


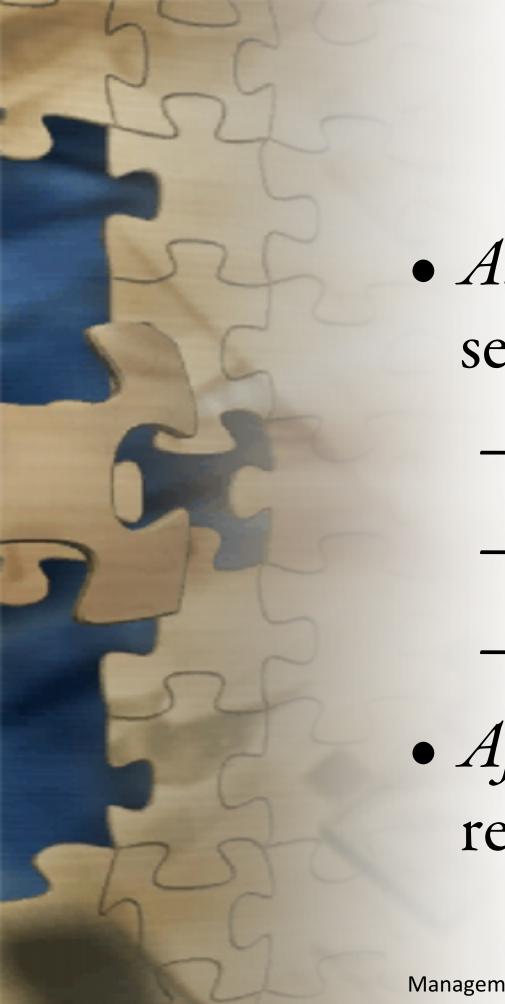






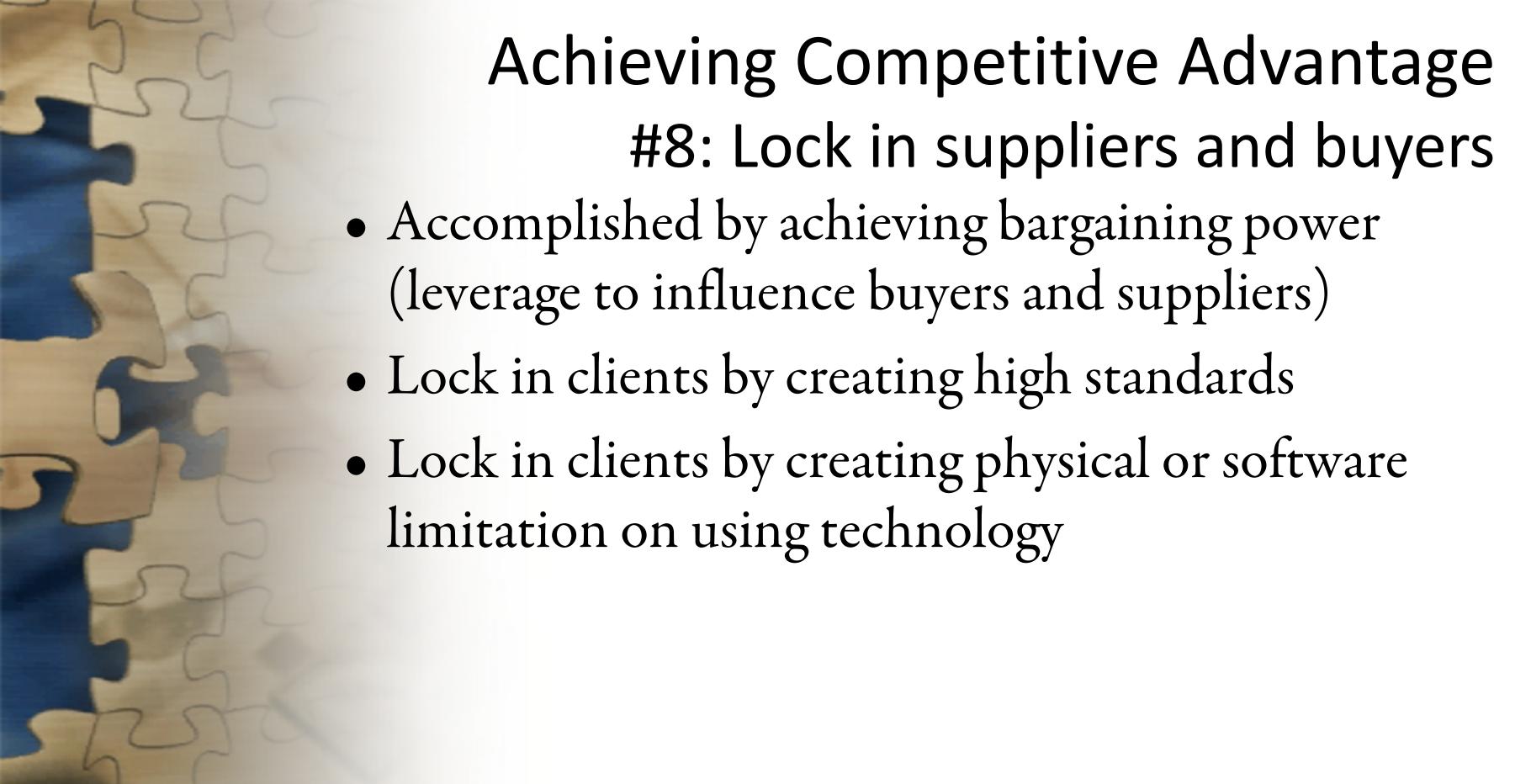


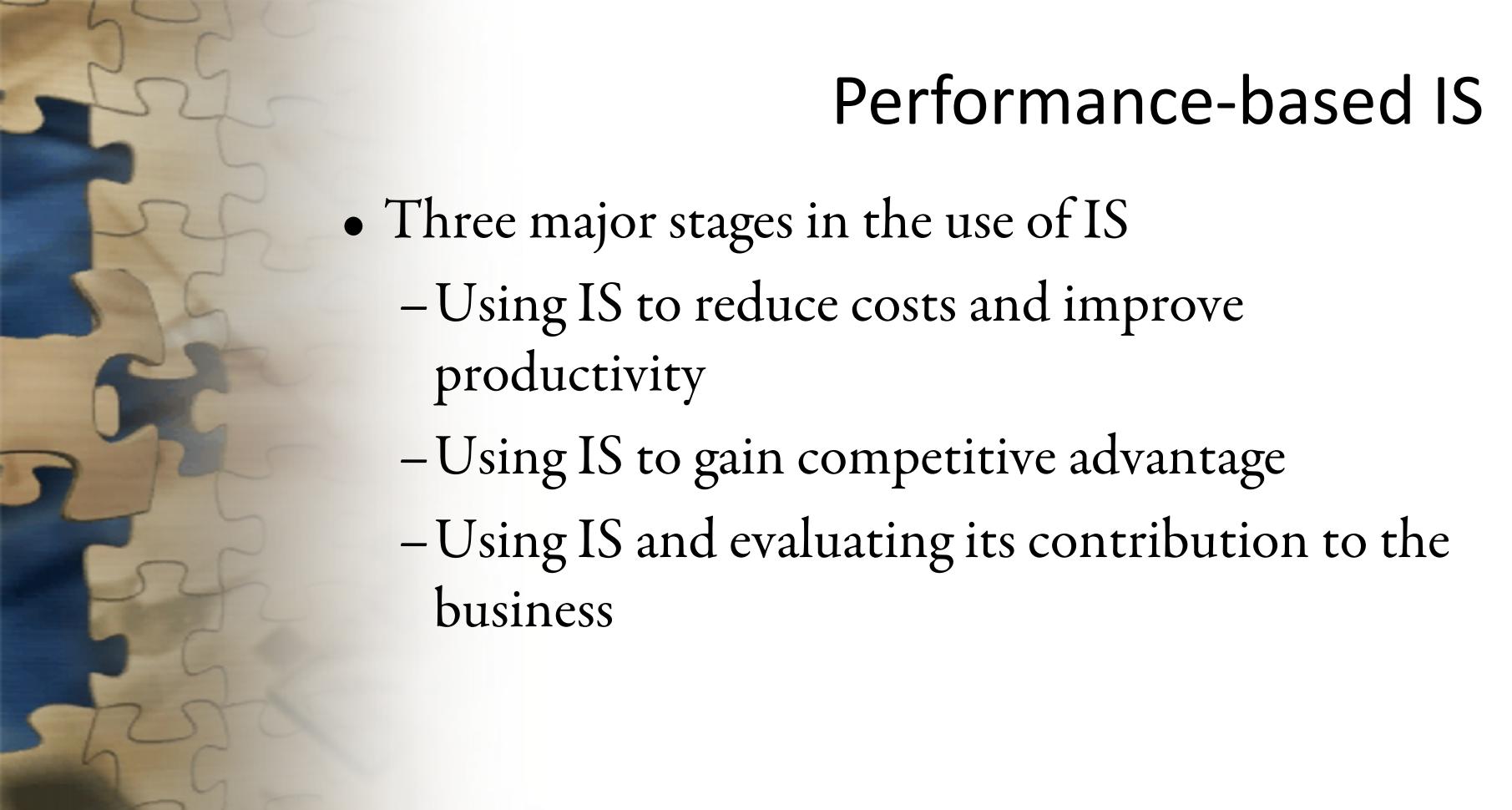




Achieving Competitive Advantage #7: Establish alliances

- *Alliances*: two or more companies combining services
 - -Makes product more attractive
 - -Reduces costs
 - -Provides one-stop shopping
- Affiliate program: linking to other companies and rewarding the linker for the click-throughs





Management Information System



-Return on Investment (ROI)

- -Market Share and Speed to Market
- Customer Awareness and Satisfaction

Global Challenges to IS • An increasing number of corporations are becoming multinational • Multinational companies use global IS • Overseas operations must abide by local laws, yet be sensitive to local cultures and standards

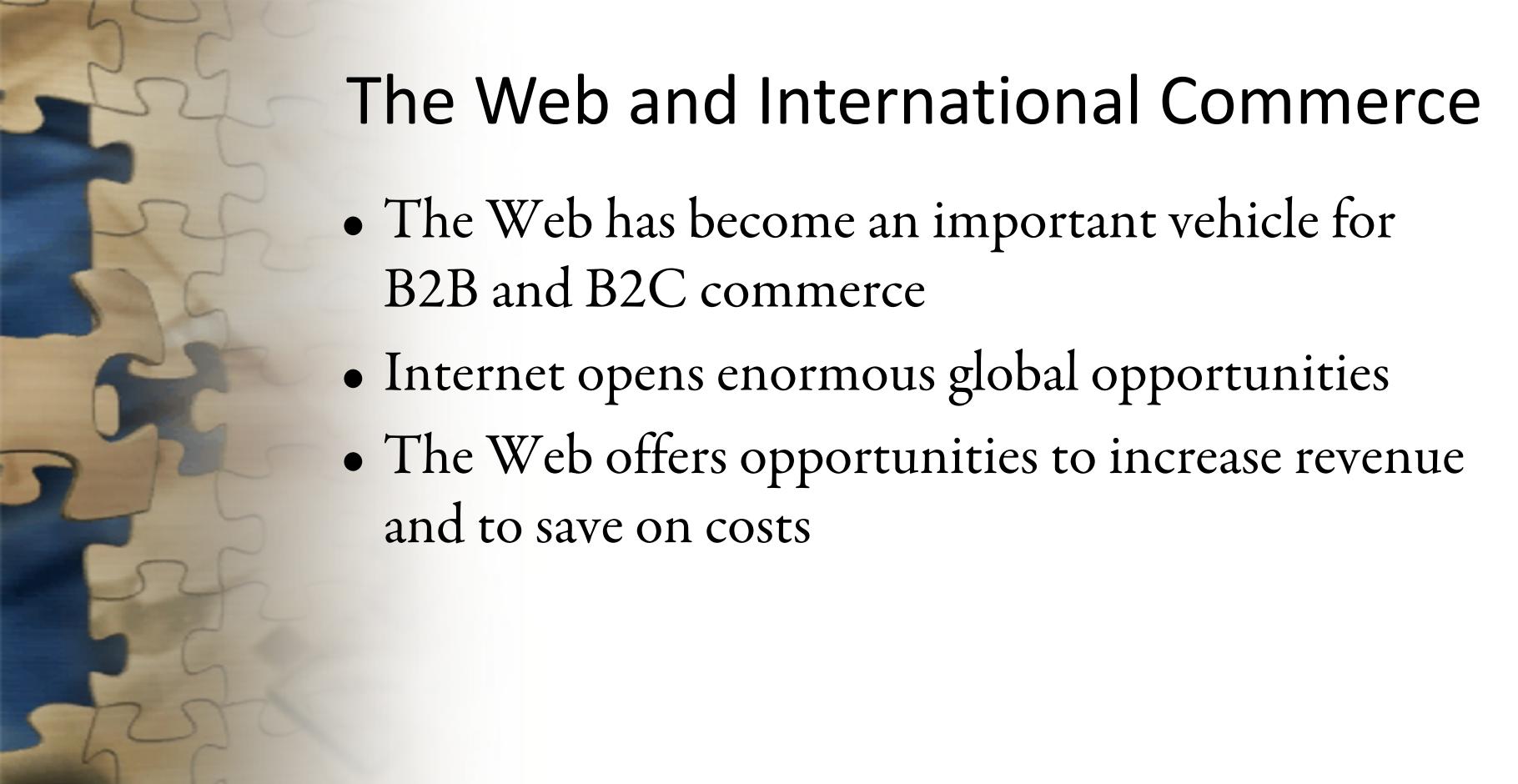
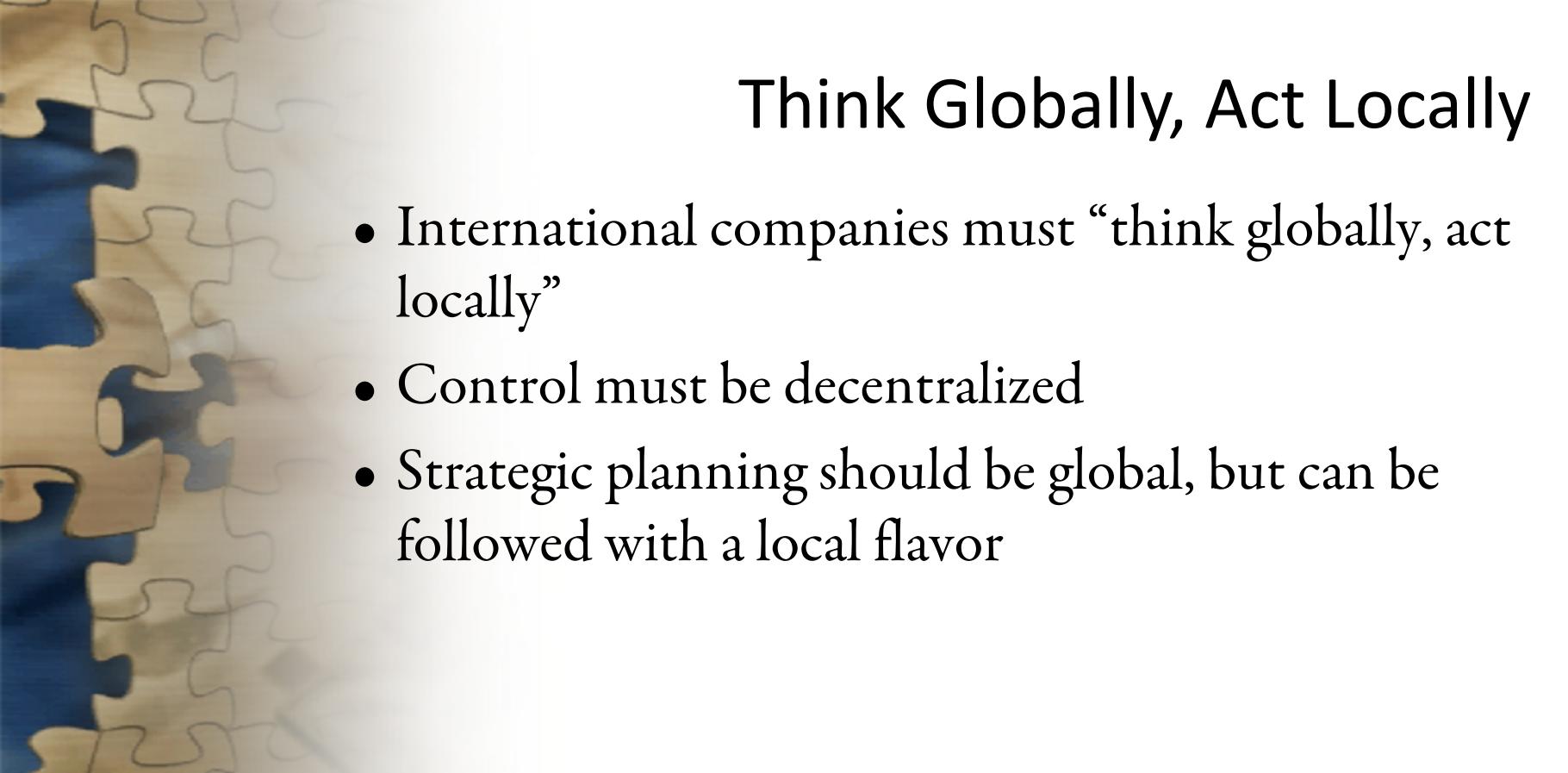
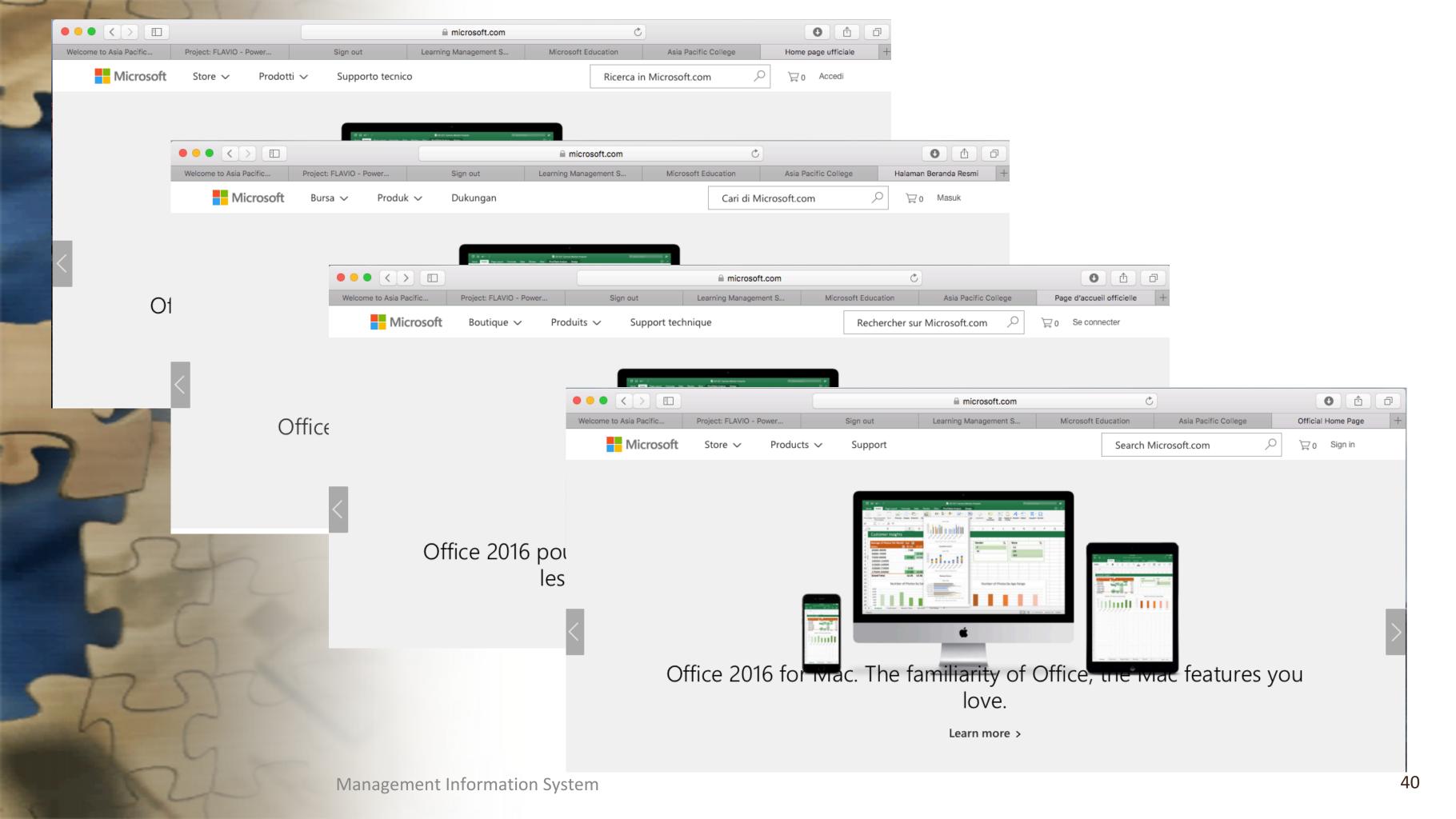


FIGURE 9.3 Imperatives to heed when designing Web sites for an international audience		
Plan	Plan the site before you develop it. A site for an international audience requires more planning than a national one.	
Learn the Preferences	Learn the cultural preferences, convention differences, and legal issues, or use experts who know these preferences. Tailor each local site (or the local section of your site) to the way in which the local people prefer to shop, buy, and pay.	
Translate Properly	Use local interpreters to translate content for local audiences. Do not use software or other automated methods, unless humans review the translated material. Experienced translators are attentive to contemporary nuances and connotations.	
Be Egalitarian	Do not let any audience feel as if it is less important than other audiences. Keep all local sections of your site updated and with the same level of information and services.	
Avoid Cultural Imperialism	If the local language or culture has a word or picture for communicating an idea, use it; do not use those of your own country. Give the local audience a homey experience.	

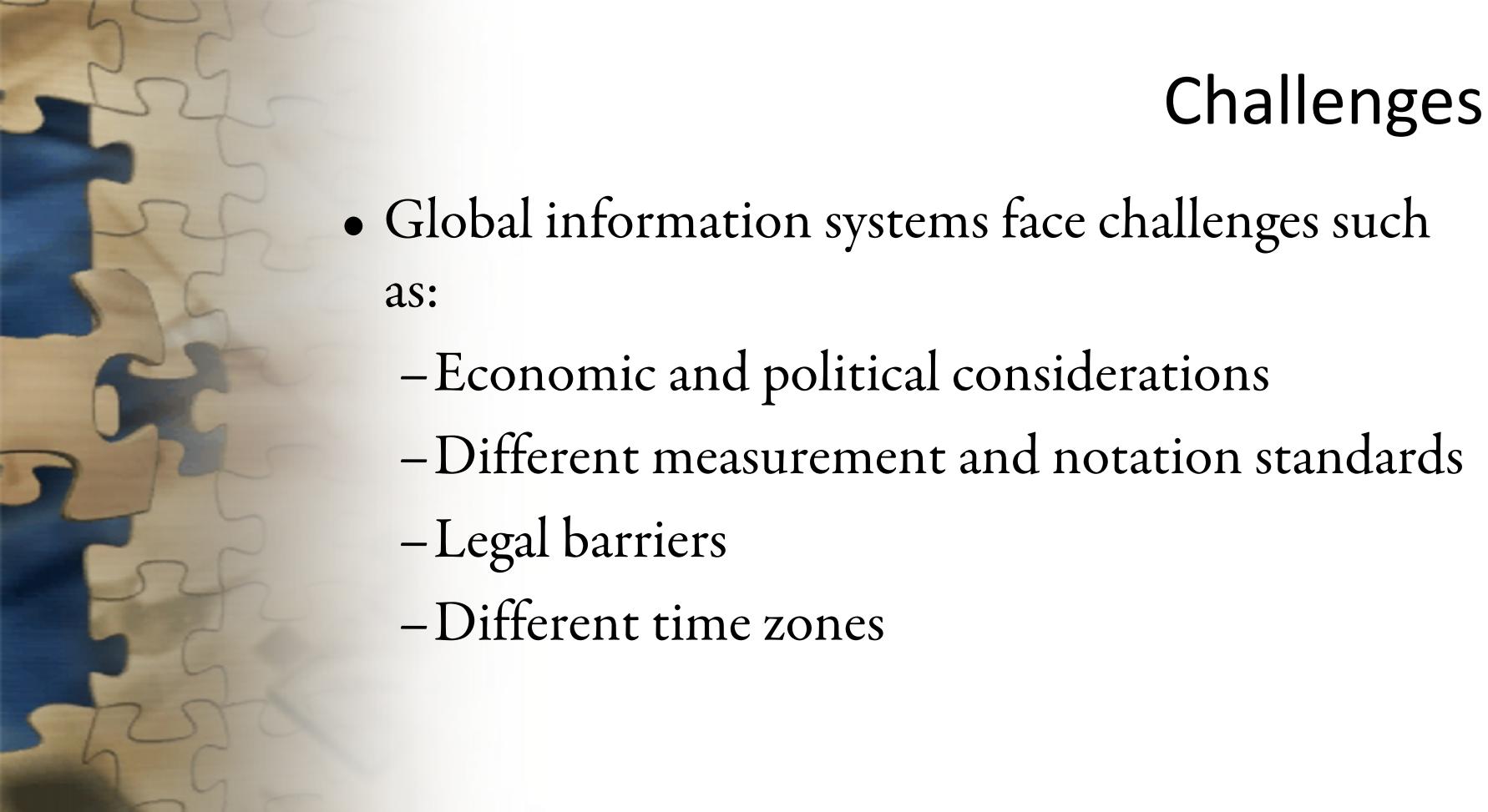


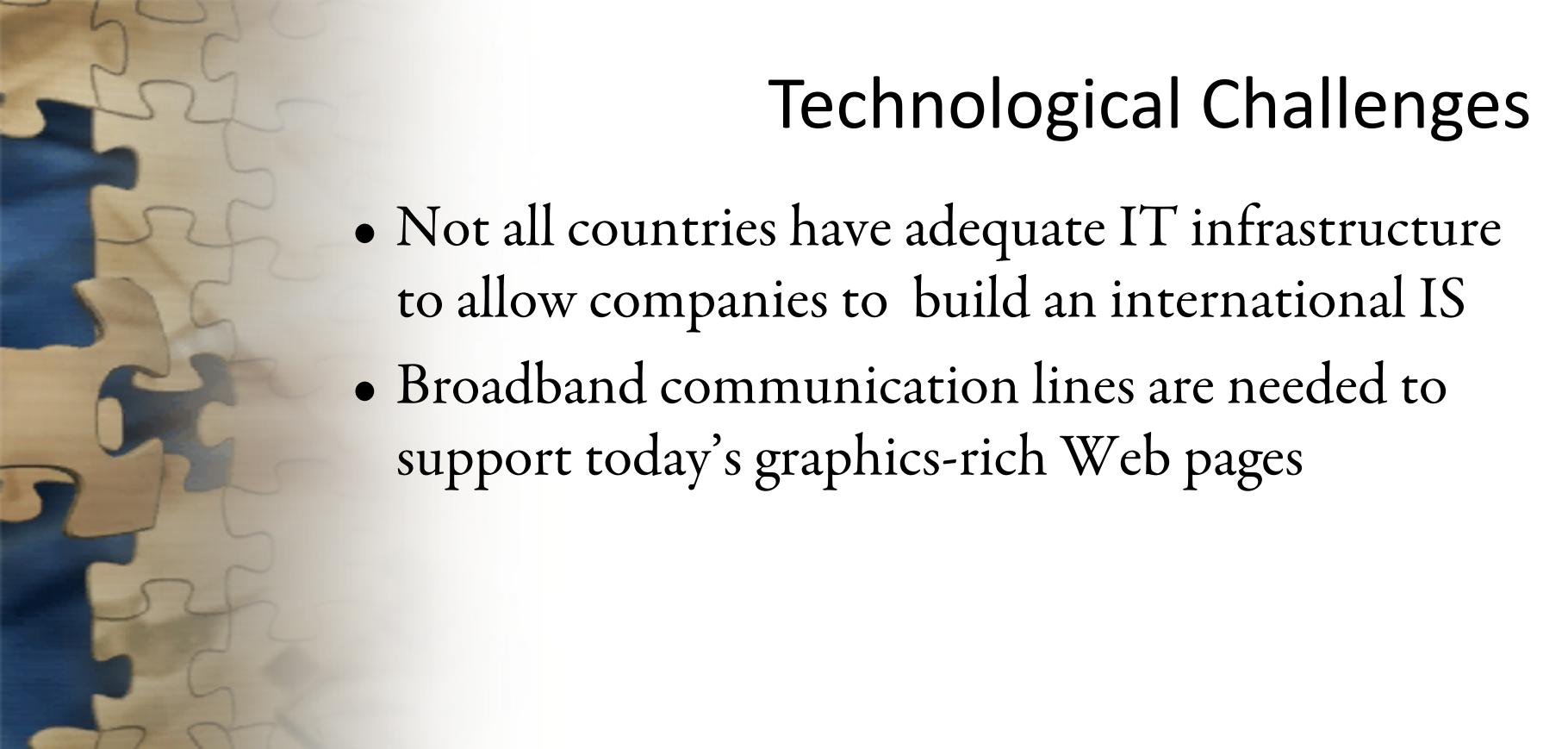


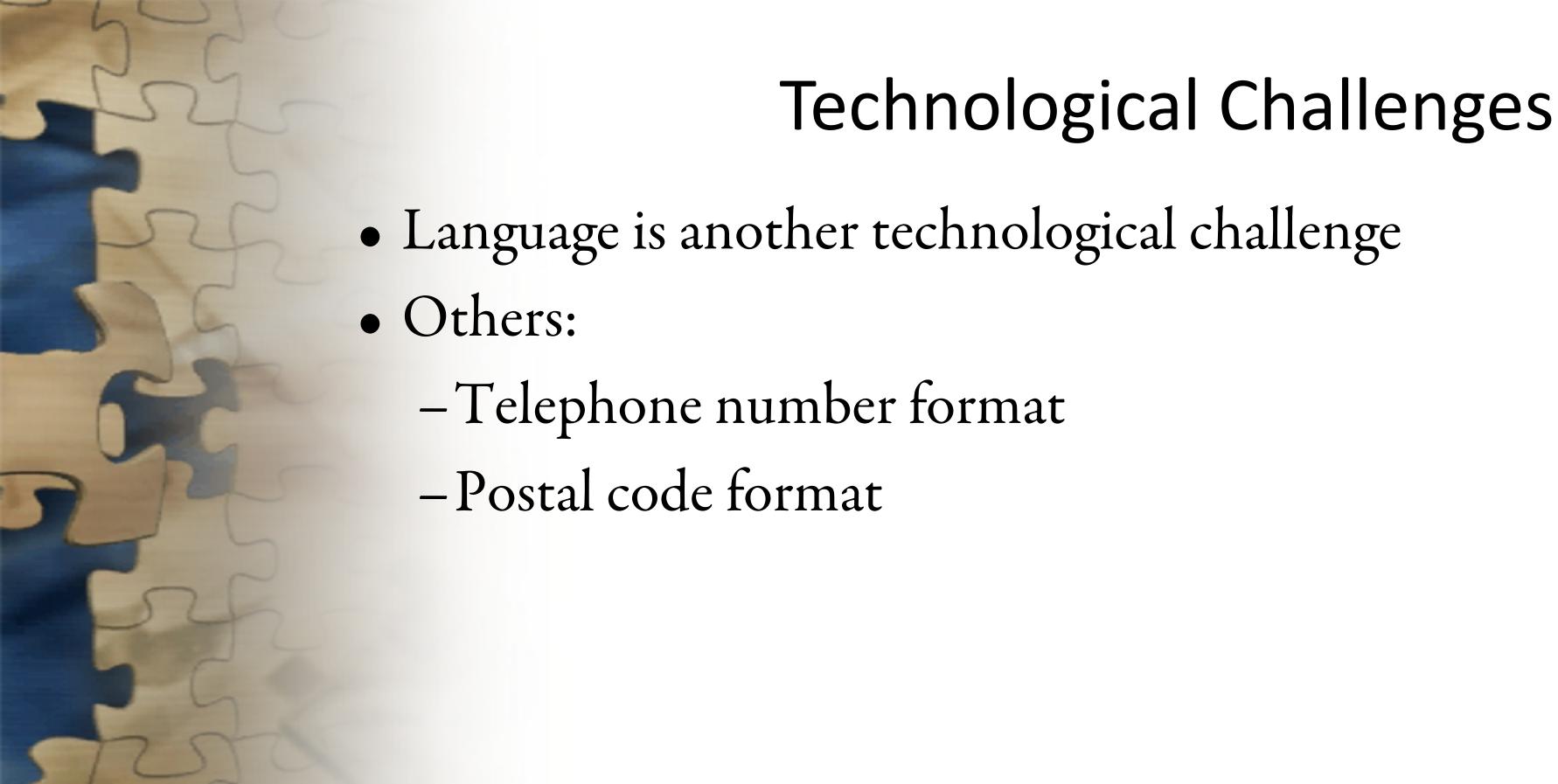


Challenges

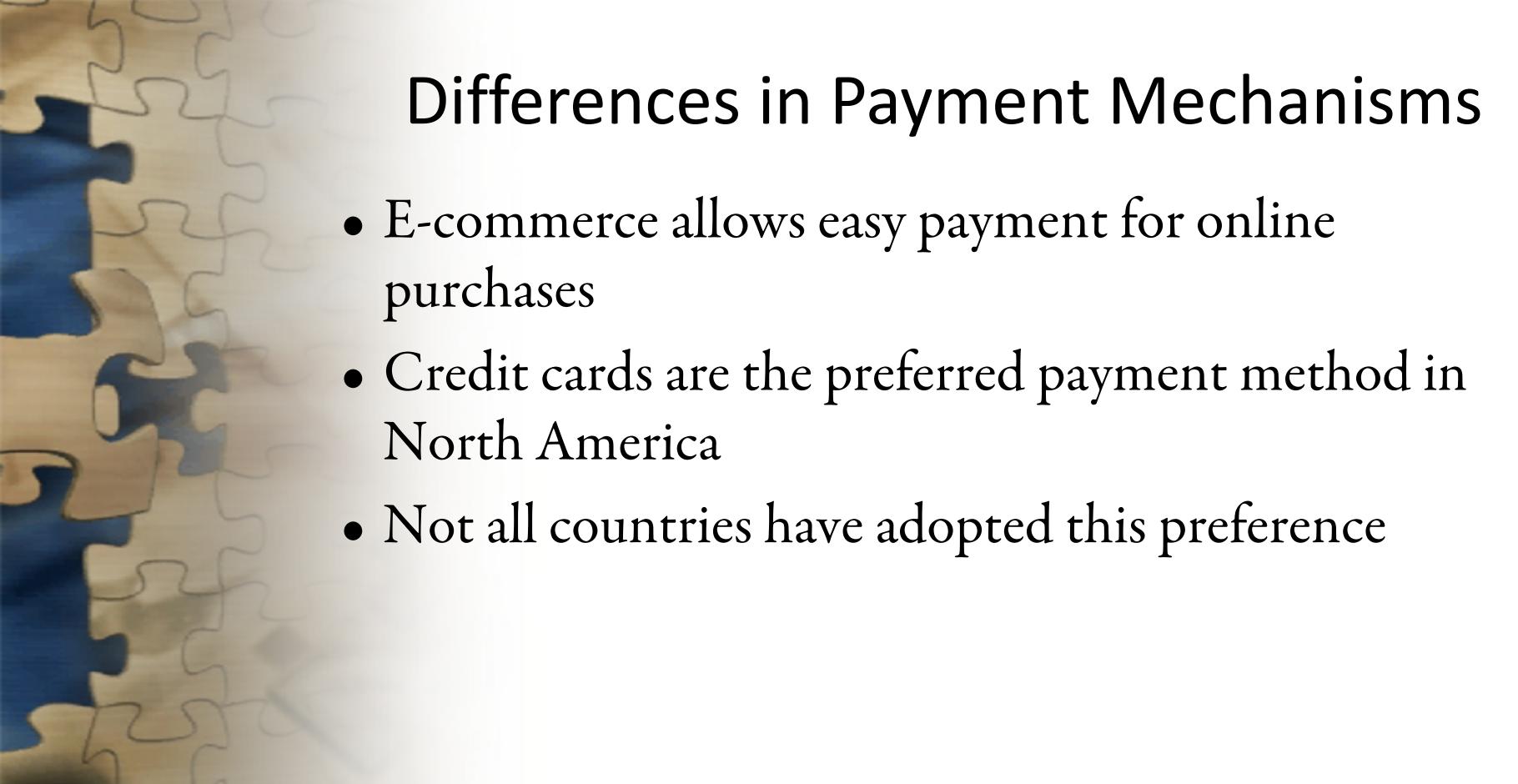
- Global information systems face challenges such as:
 - -Technological barriers
 - -Regulations and tariffs
 - -Electronic payment mechanisms
 - Different languages and cultures

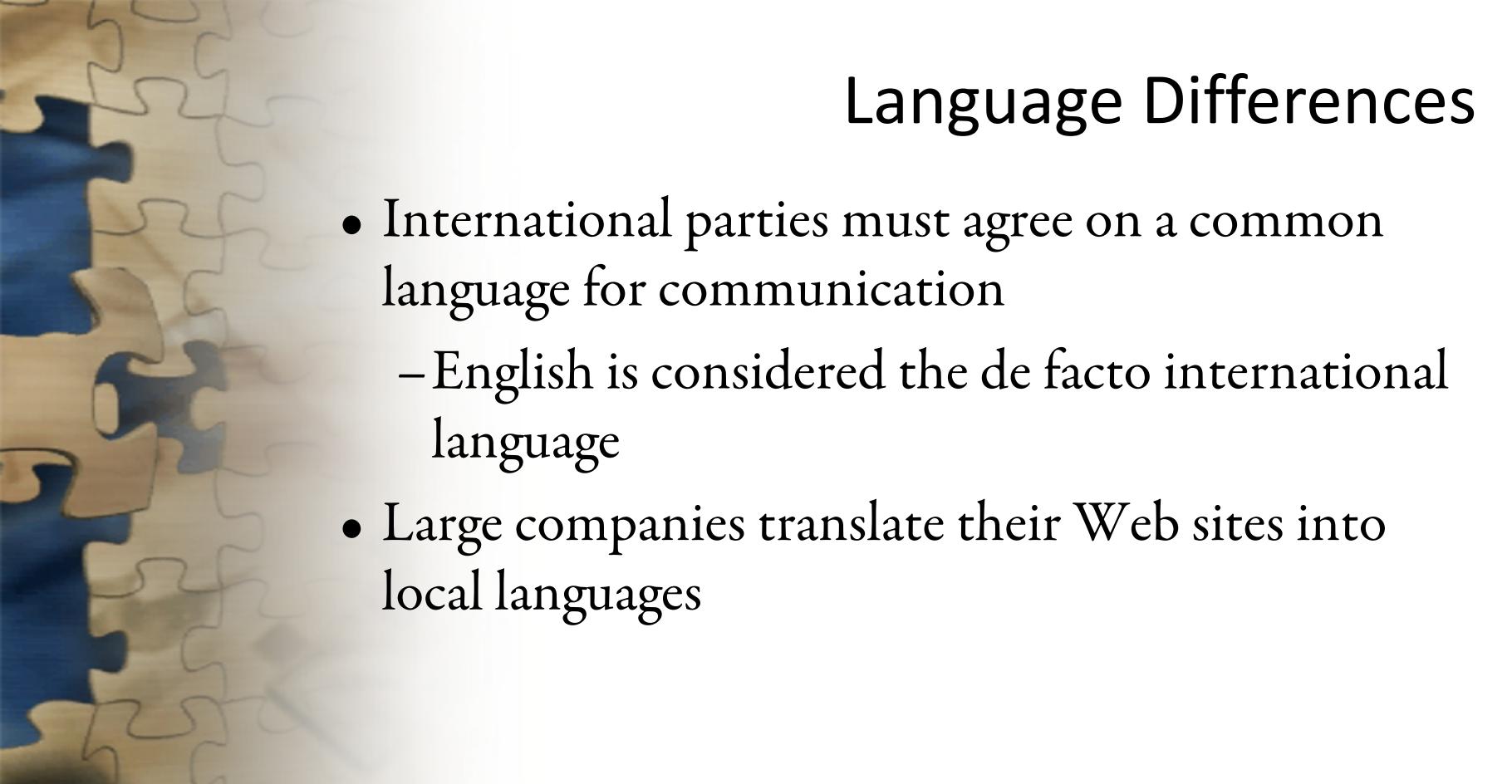


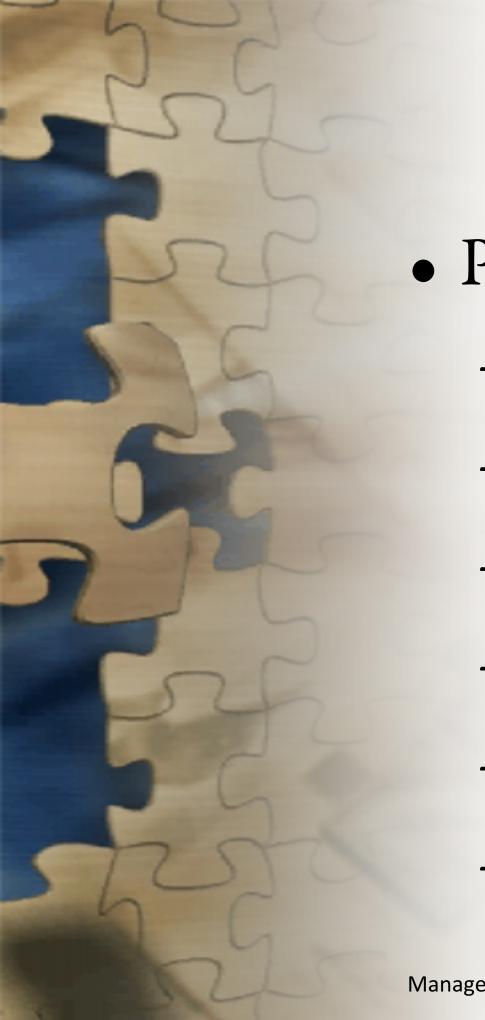






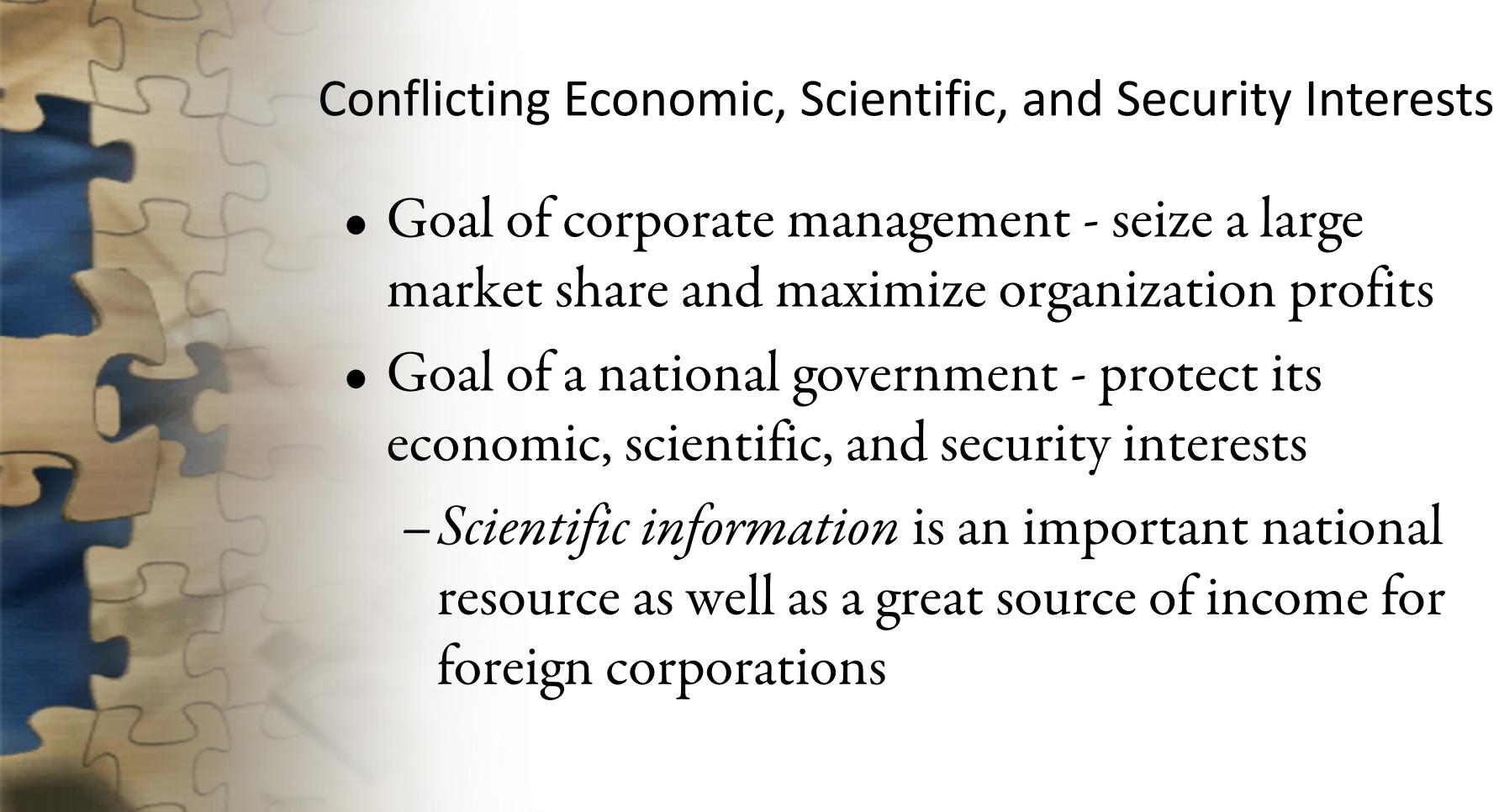


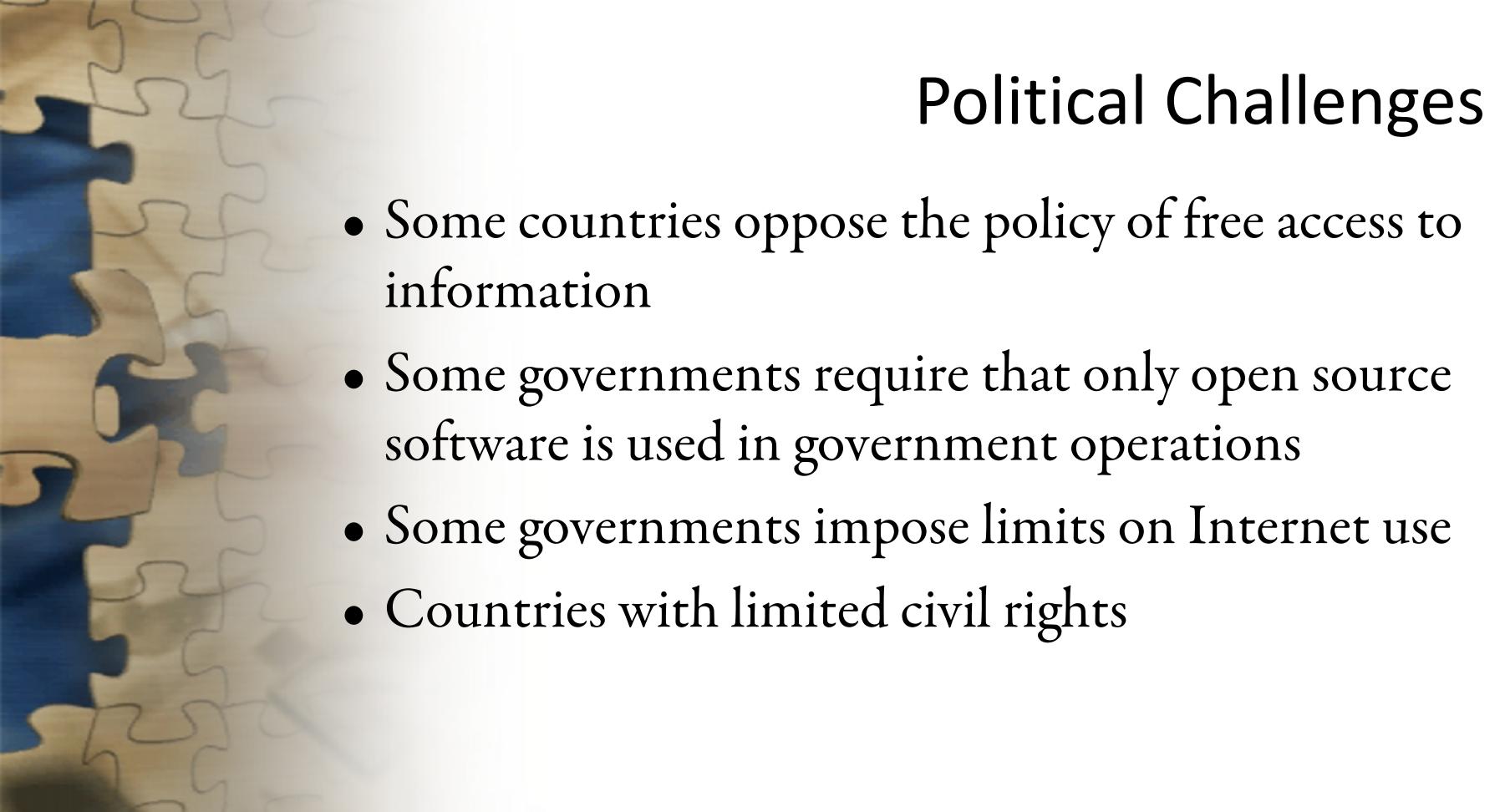


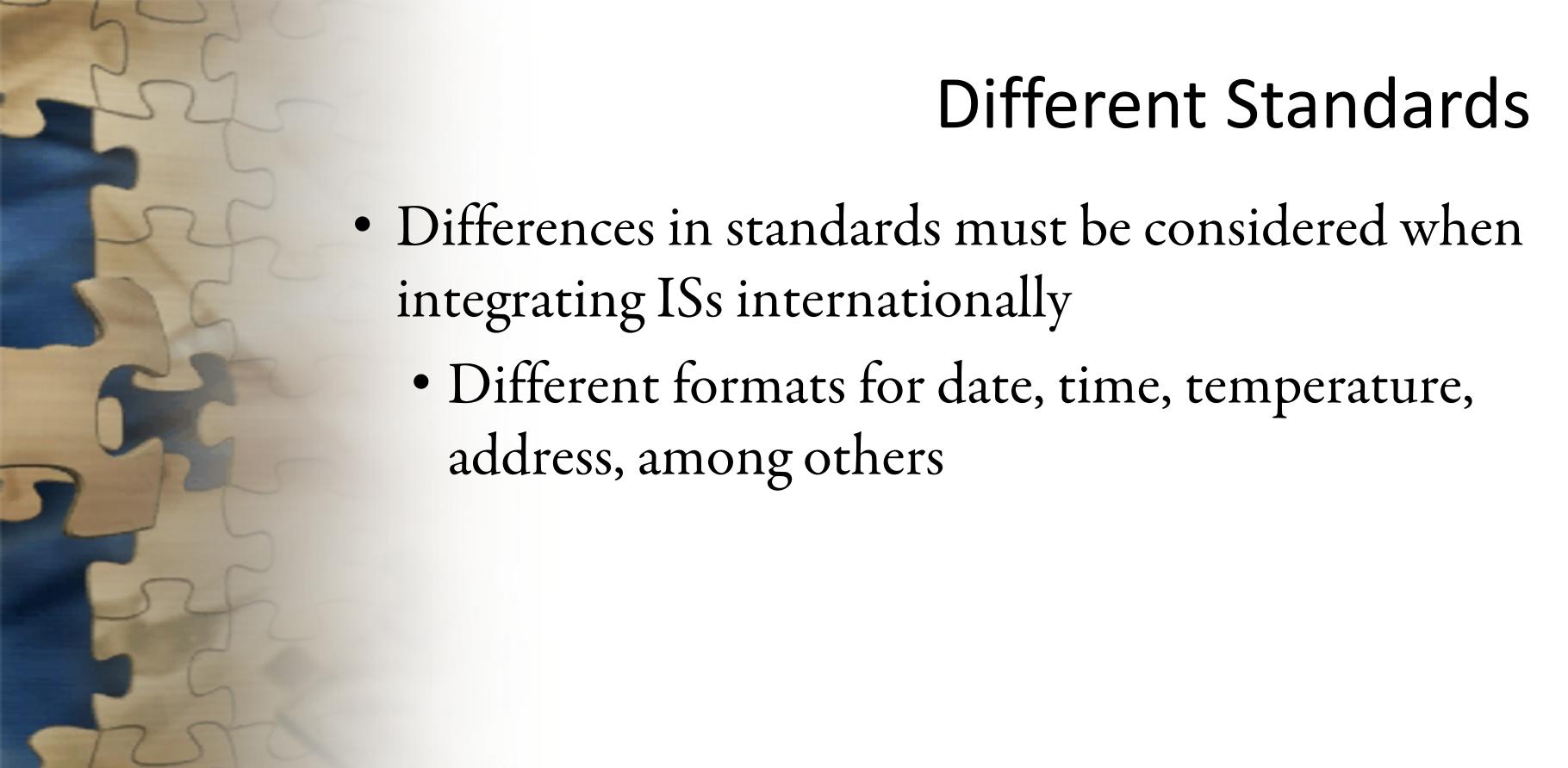


Cultural Differences

- People from different countries vary in:
 - -Tastes
 - -Gestures
 - -Preferred colors
 - -Treatment of people of certain gender or age
 - -Attitudes about work
 - -Opinions about ethical issues







Different Standards • Companies must adapt their ISs to changing formal or de facto standards -European Article Number (EAM) -Universal Product Code (UPC) -Global Trade Item Numbers (GTIN)

Legal Barriers • Differing laws pose challenges to: -International transfer of data -Free speech -Location of legal proceedings when disputes arise

Legal Barriers Privacy laws -Respect for privacy in international business is an unresolved challenge - The majority of democratic nations try to protect individual privacy -Laws reflect a difference in approach to issue of privacy

Management Information System



	European Union	USA
1	Personal data may be collected only for specified purposes	Businesses collect data from people without having to tell how data will be used
	Personal data cannot be processed without the unambiguous consent of the subject	Private organizations are allowed to process personal data without the subject's consent, for any purpose
	Collecting organizations must identify themselves	Organizations purchase personal data from 3rd parties and never notify the subject

Legal Barriers

1	European Union	USA
	Subjects have the right to know to whom their data is disclosed	Not mandated in any US law
	Subjects have the right to object to processing of their personal data	Companies use personal data especially for direct marketing, never tell subjects that they obtain data about them from 3rd parties, and rarely offer the right to object to disclosure of such data to other parties



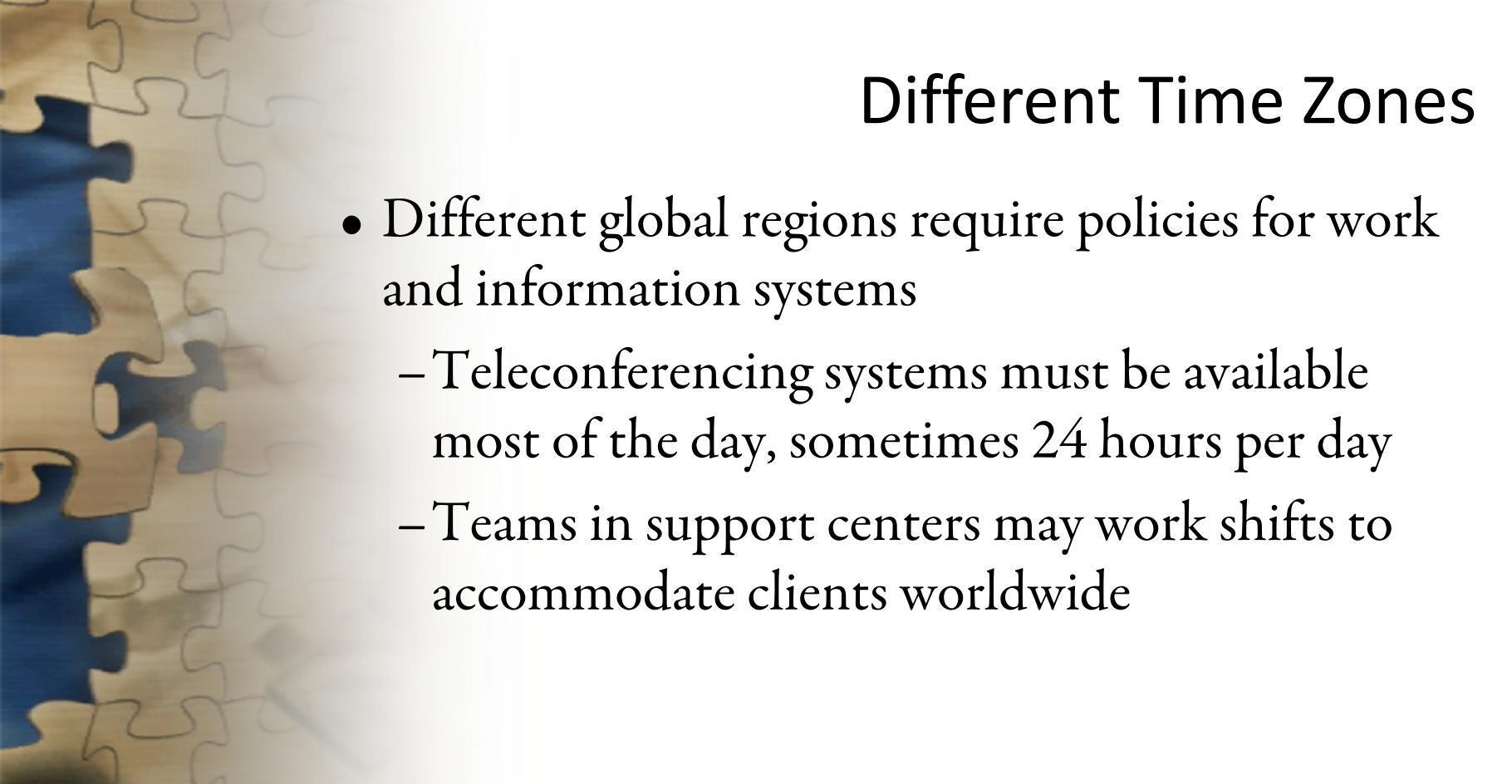
Legal Barriers

- Discrepancy between the European and American approaches prevents unrestricted flow of information
- Safe Harbor (www.export.gov/safeharbor): arrangement for U.S. companies that have agreed to comply with the EU Directive
- Privacy laws regarding employees are also different in the U.S. and EU

• Applicable Law: -Free speech -Gambling -Auctioning -Sale of alcoholic beverages and drugs

Legal Barriers

- What can or cannot be displayed online





Different Time Zones

- -Managers must be aware of incorrect time stamping in different locales
 - Systems at both locations can be designed to record local times of both locations, or record a single time (that of the company headquarters)

Applying Concepts

- Although Apple Computer Inc. introduced a personal computer and software that was superior to those produced by IBM and other companies, it failed to capture the lion's share of the PC market.
- However, it did capture a large share of the digital music player market.

Applying Concepts • What was the difference in the company's approach to the two types of products? • What is your conclusion regarding the the proper approach when developing a new digital product?